

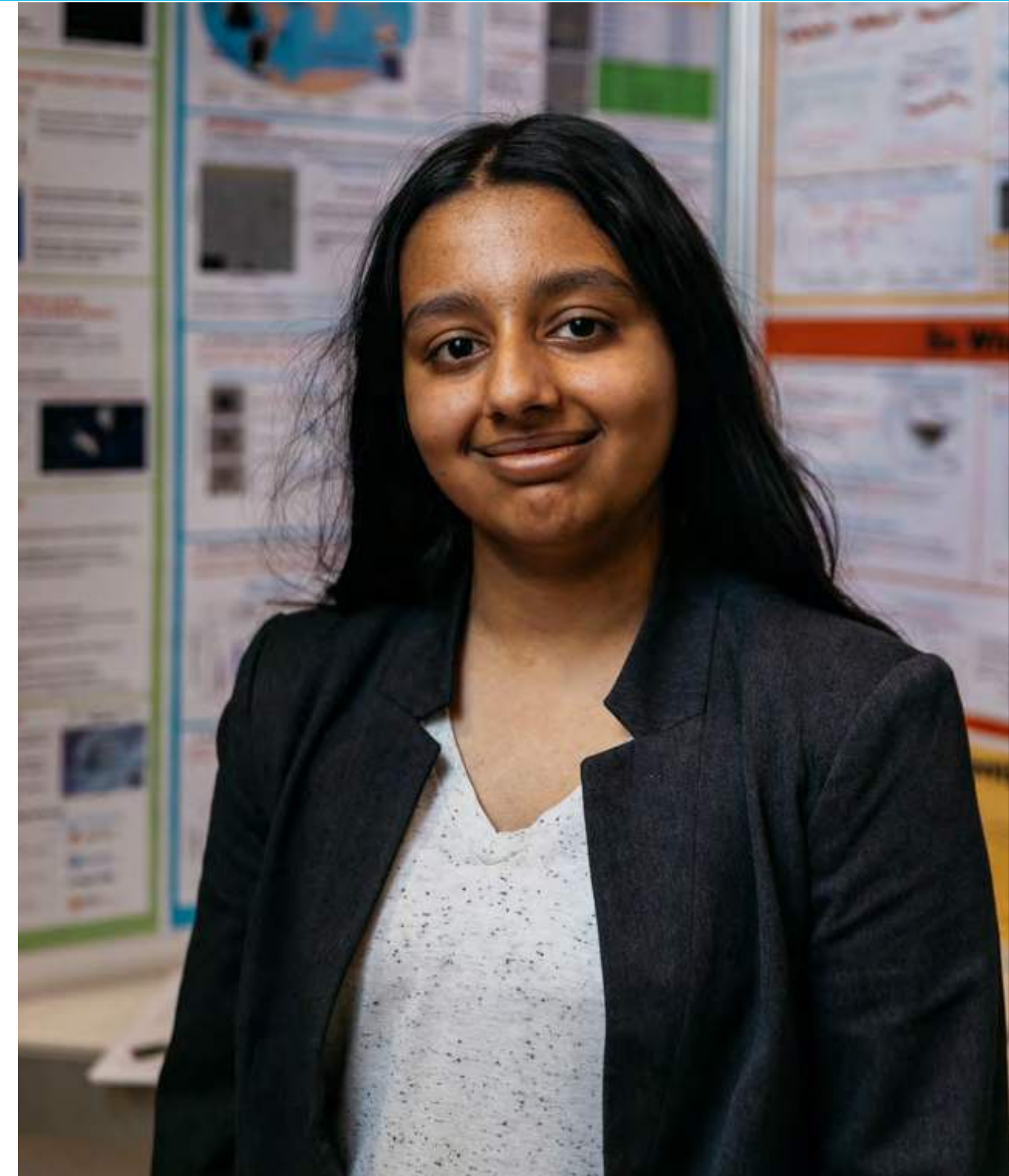
The Actuarial Foundation of Canada Award Prix de la Fondation actuarielle du Canada

Junior

Arushi Nath

Developing algorithms to determine asteroid's physical properties and success of deflection missions

Toronto – Ontario



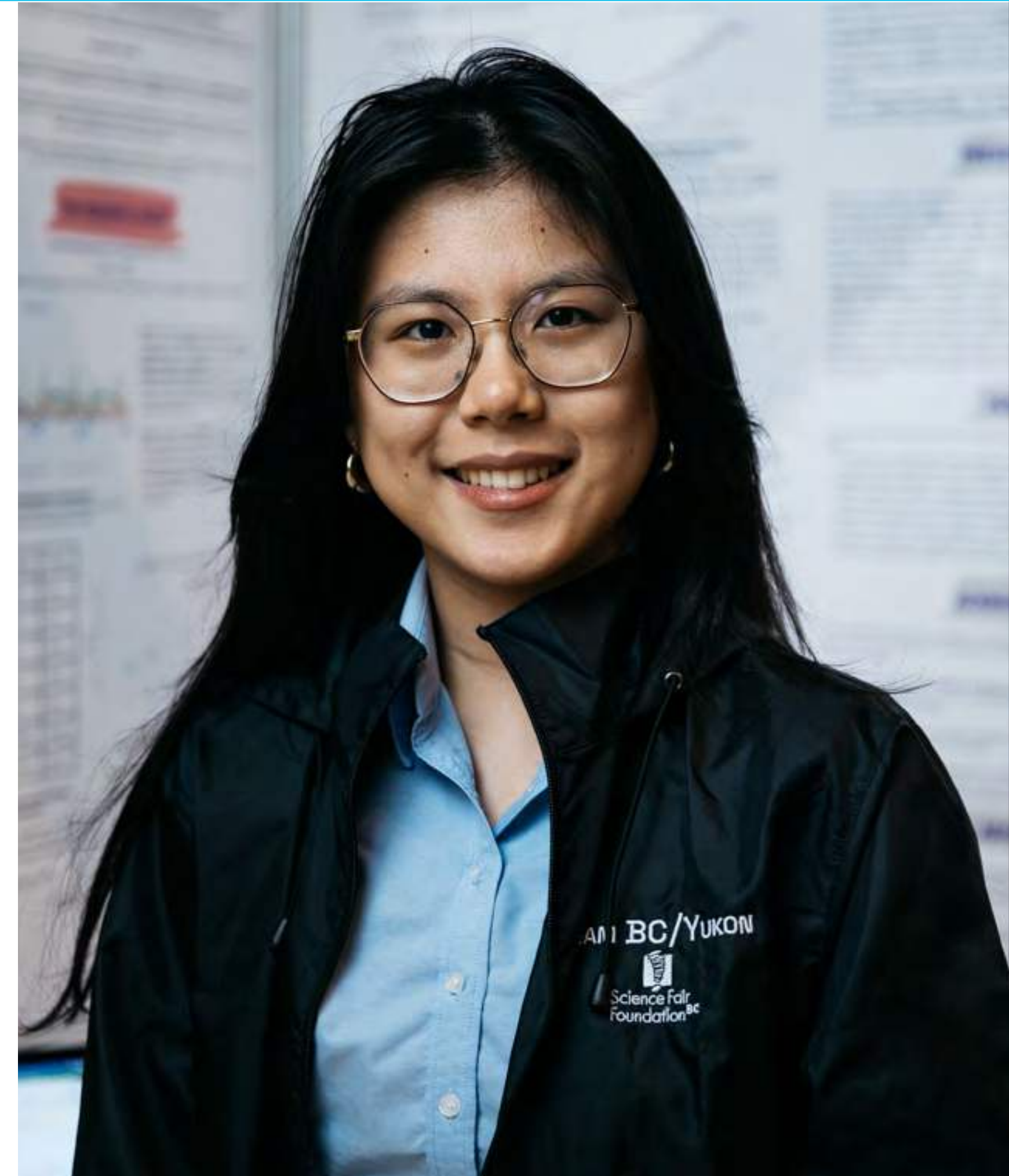
The Actuarial Foundation of Canada Award Prix de la Fondation actuarielle du Canada

Intermediate / Intermédiaire

Reine Huang

Detecting and Preventing Human Falling with Lateral Stability

Greater Vancouver – British Columbia



The Actuarial Foundation of Canada Award Prix de la Fondation actuarielle du Canada

Senior / Sénior

Dolev Klein Harari

An Earthshattering Coding Prophecy

United Counties – Ontario



The Beaty Centre for Species Discovery Award
Prix du Centre Beaty pour la découverte des espèces

Senior / Sénior

Graeme Hopkins

**Paleoecology and Geology of a Fossil-Bearing Quaternary Clay Formation
New to Science**

Saskatoon – Saskatchewan



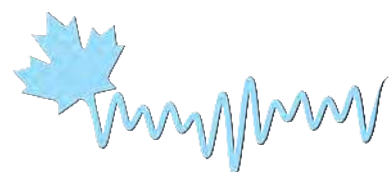
**Canadian Acoustical Association Award
Prix de l'Association canadienne d'acoustique**

Senior / Sénior

Sarah Lagarde

How Playing an Instrument Benefits Youth Mental Health

North-West New Brunswick – New Brunswick



CANADIAN ASSOCIATION
ACOUSTICAL CANADIENNE
ASSOCIATION D'ACOUSTIQUE



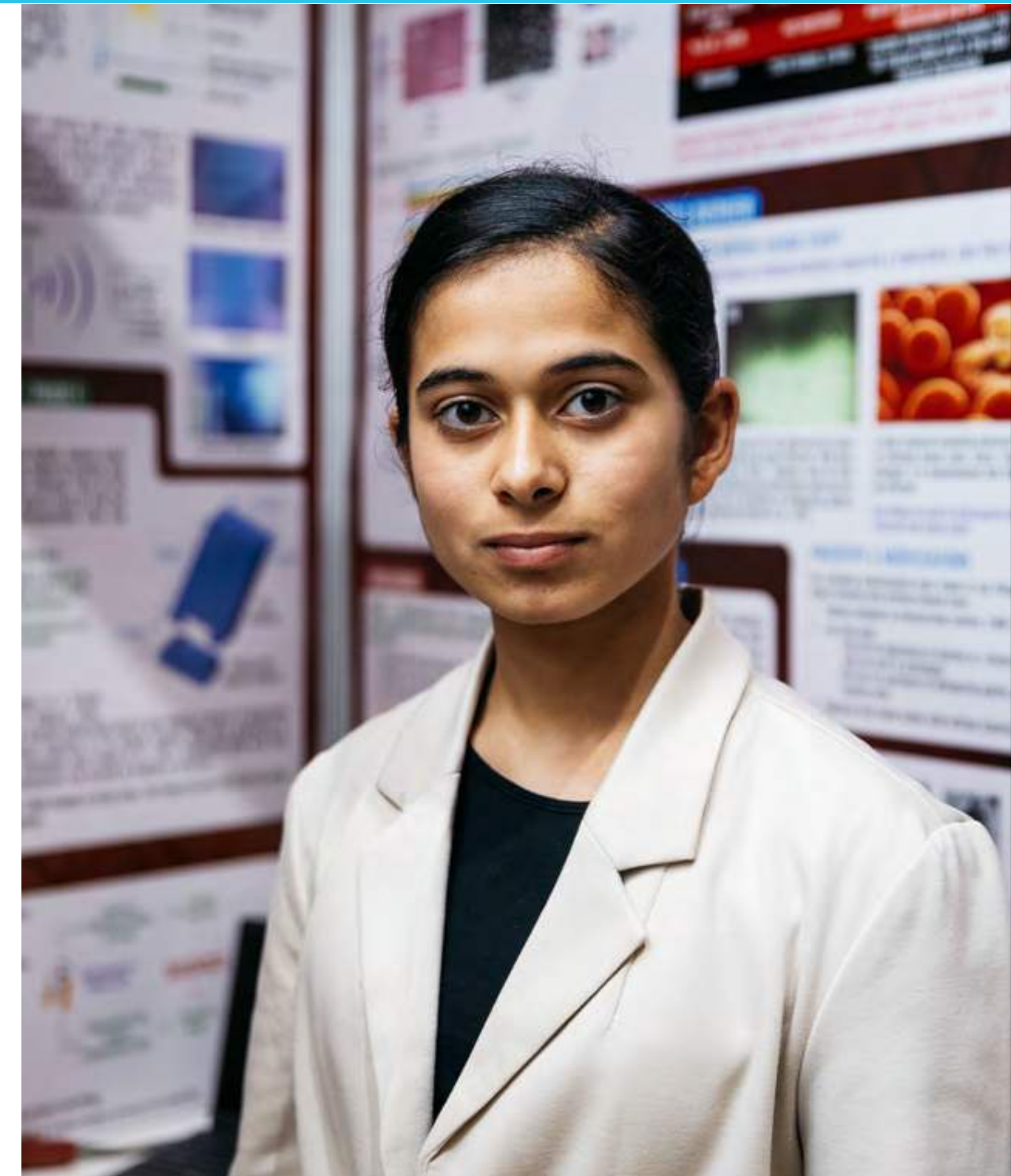
**Canadian Artificial Intelligence Association Award
Prix de l'Association pour l'intelligence artificielle au Canada**

Junior

Gurnoor Kaur

MalaScope: A Deep Learning Enabled Lensless Microscope for the Rapid Detection of Malaria

Waterloo-Wellington – Ontario



**Canadian Botanical Association Award
Prix de l'Association Botanique du Canada**

Junior

Sebastian Audet

Seymour Lake is having a Floating Heart attack

Pacific Northwest – British Columbia



Canadian Society of Clinical Chemists Award
Prix de la Société canadienne des clinico-chimistes
Senior / Sénior

Albert Guo

Alzheimer's in 16x16 Words: Transformers for Biomarker-Based Diagnosis

South Fraser – British Columbia



Canadian Stockholm Junior Water Prize
Prix du concours junior canadien au sujet de l'eau, à Stockholm
Senior / Sénior

Mariane Angers

Vert Houlo₂ Wh

Réseau Technoscience – Québec

Canadian WEF Member Associations, the
Canadian Water and Wastewater Association
and Jacobs



Canadian Stockholm Junior Water Prize Prix du concours junior canadien au sujet de l'eau, à Stockholm

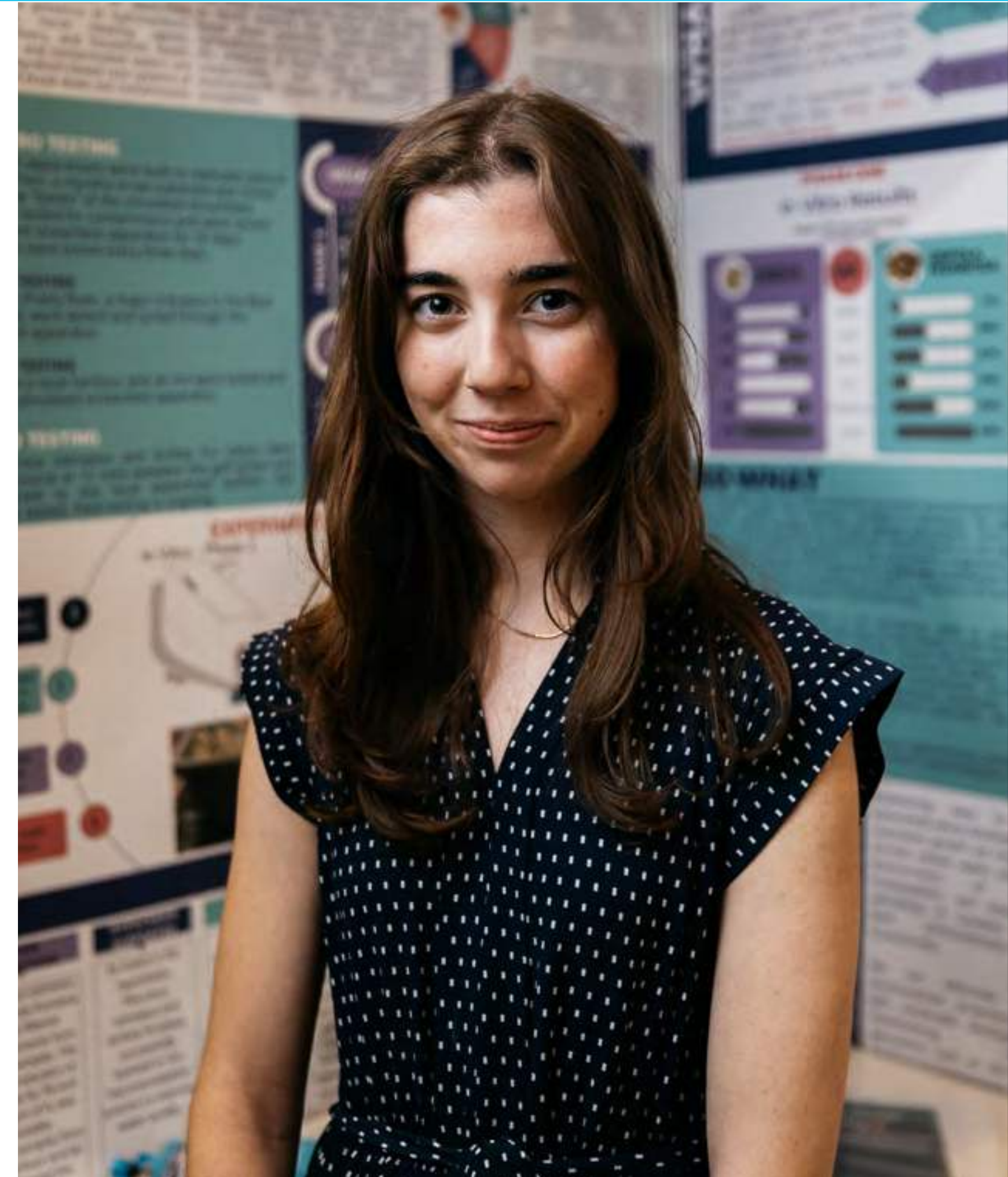
Senior / Sénior

Ava Fischer

exSTREAM FUNgi

Simcoe County – Ontario

Canadian WEF Member Associations, the
Canadian Water and Wastewater Association
and Jacobs



Canadian Stockholm Junior Water Prize

Prix du concours junior canadien au sujet de l'eau, à Stockholm

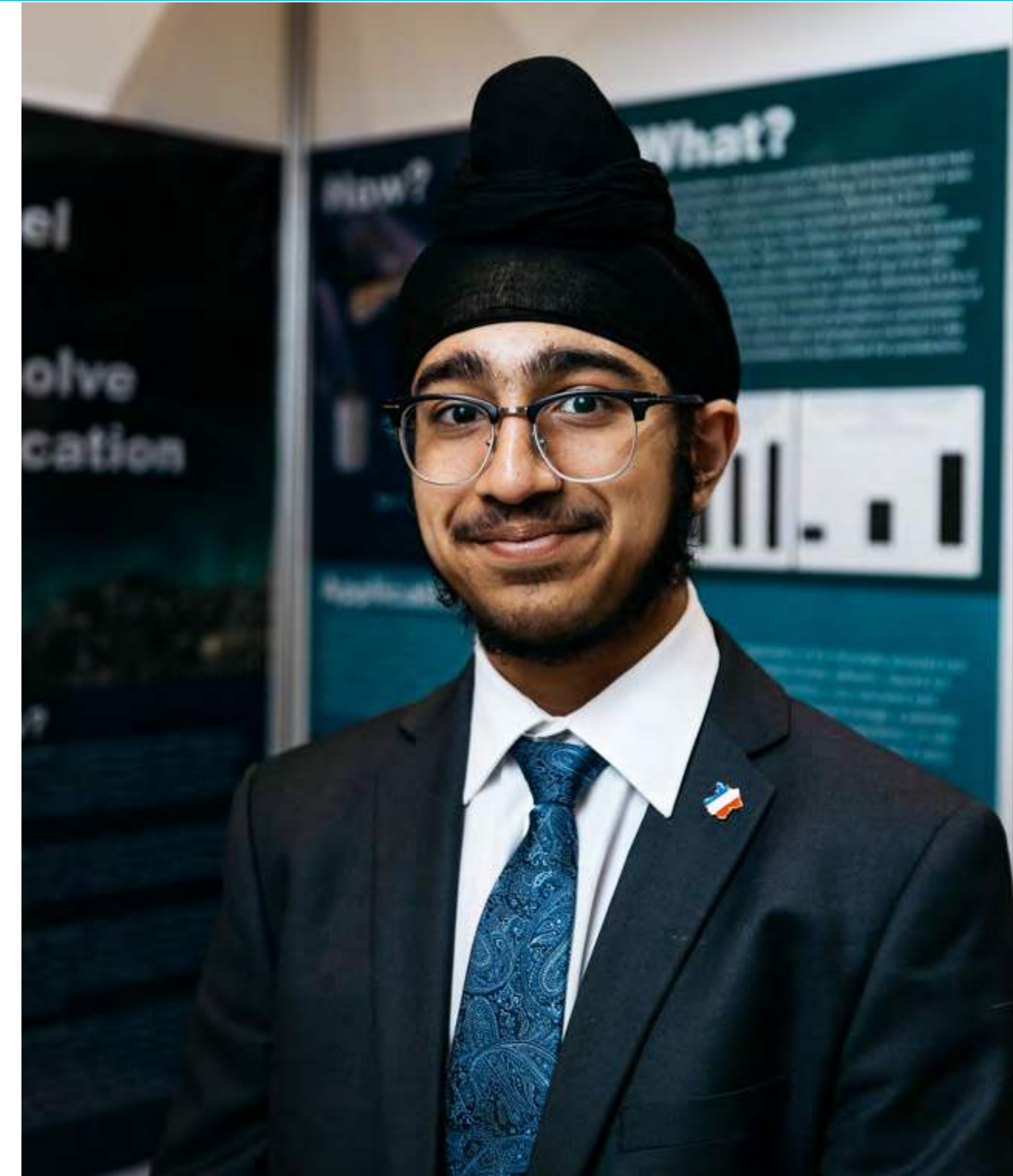
Senior / Sénior

Baljot Rai

Development of a Mussel-based Biosorbent for Phosphorus: The Solution to the Eutrophication Crisis

Bison – Manitoba

Canadian WEF Member Associations, the
Canadian Water and Wastewater Association
and Jacobs



CAP Physics Prize
Prix en physique de l'ACP

Senior / Sénior

Afaq Virk

eECHOlocation: An Innovation to Mitigate Visual Impairment

United Counties – Ontario



**Centre for Canadian Nuclear Sustainability Award
Prix du Centre pour la durabilité du nucléaire canadien**

Intermediate / Intermédiaire

Alia Wahban

Replacing Natural Gas With Hydrogen Fuel to Power Ontario

Bay Area - Ontario



deutraMed Chemistry and Innovation Award
Prix deutraMed pour l'innovation en chimie

Junior

Hudson Gibbs

Wait! Are the juice trucks out?

United Counties – Ontario

deutraMed™ 
Your Partner For Deuterated Ingredients



Digital Moment Innovation Award
Prix de l'innovation Digital Moment

Junior

Ali Soufi
Antony Zhang

Refugee Pal

South Fraser – British Columbia



Digital Moment Innovation Award Prix de l'innovation Digital Moment

Intermediate / Intermédiaire

Yasmine Ben Arous

Calmos

Réseau Technoscience – Québec



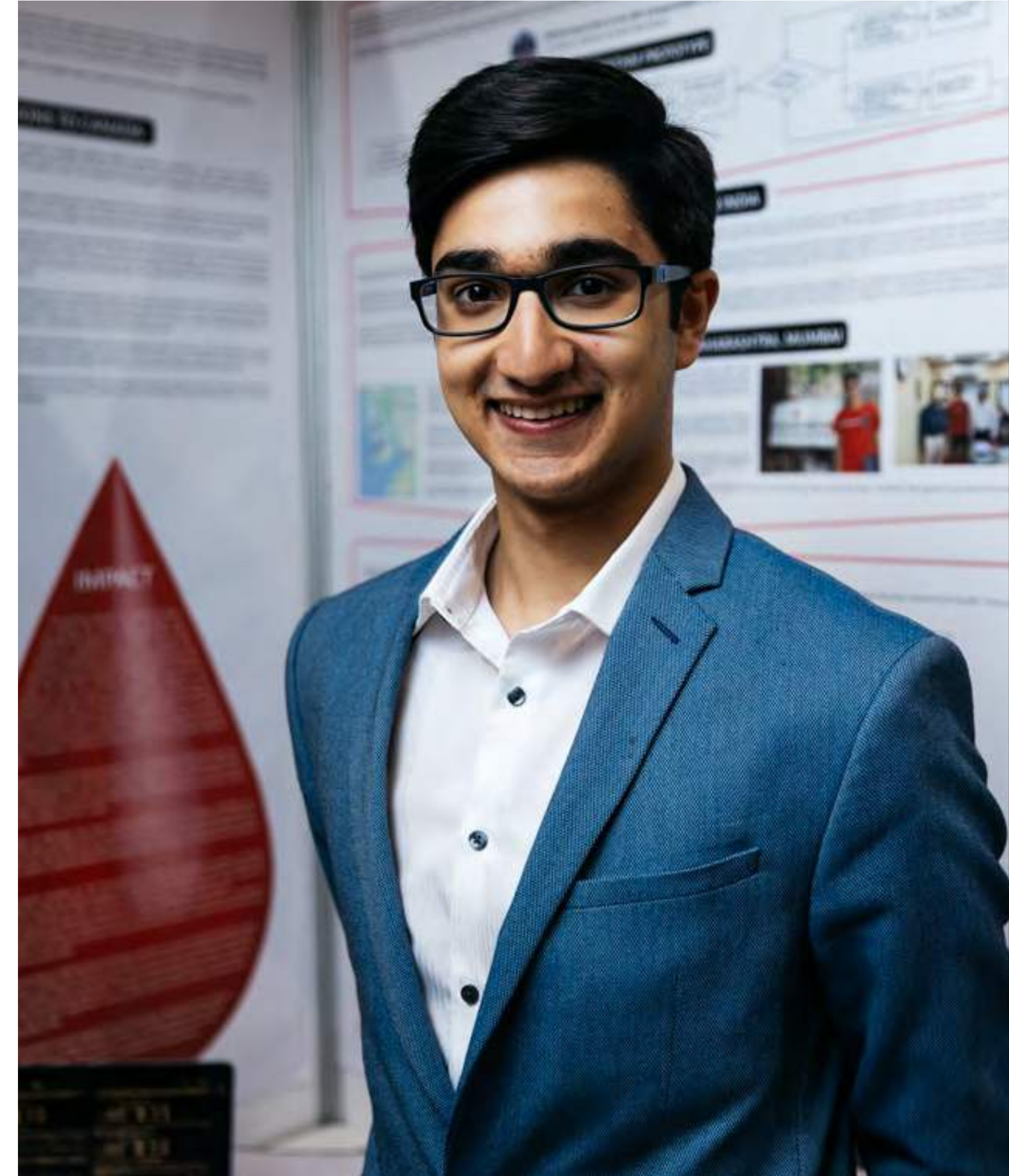
Digital Moment Innovation Award
Prix de l'innovation Digital Moment

Senior / Sénior

Aahaan Maini

Circulate: Designing an Algorithmic Blood Distribution System to Tackle the Indian Blood Shortage

Bay Area - Ontario



Engineering Innovation Award Prix de l'innovation en génie

Senior / Sénior

Nik Artsimenia

The "Helping Hand" Project

Calgary Youth – Alberta

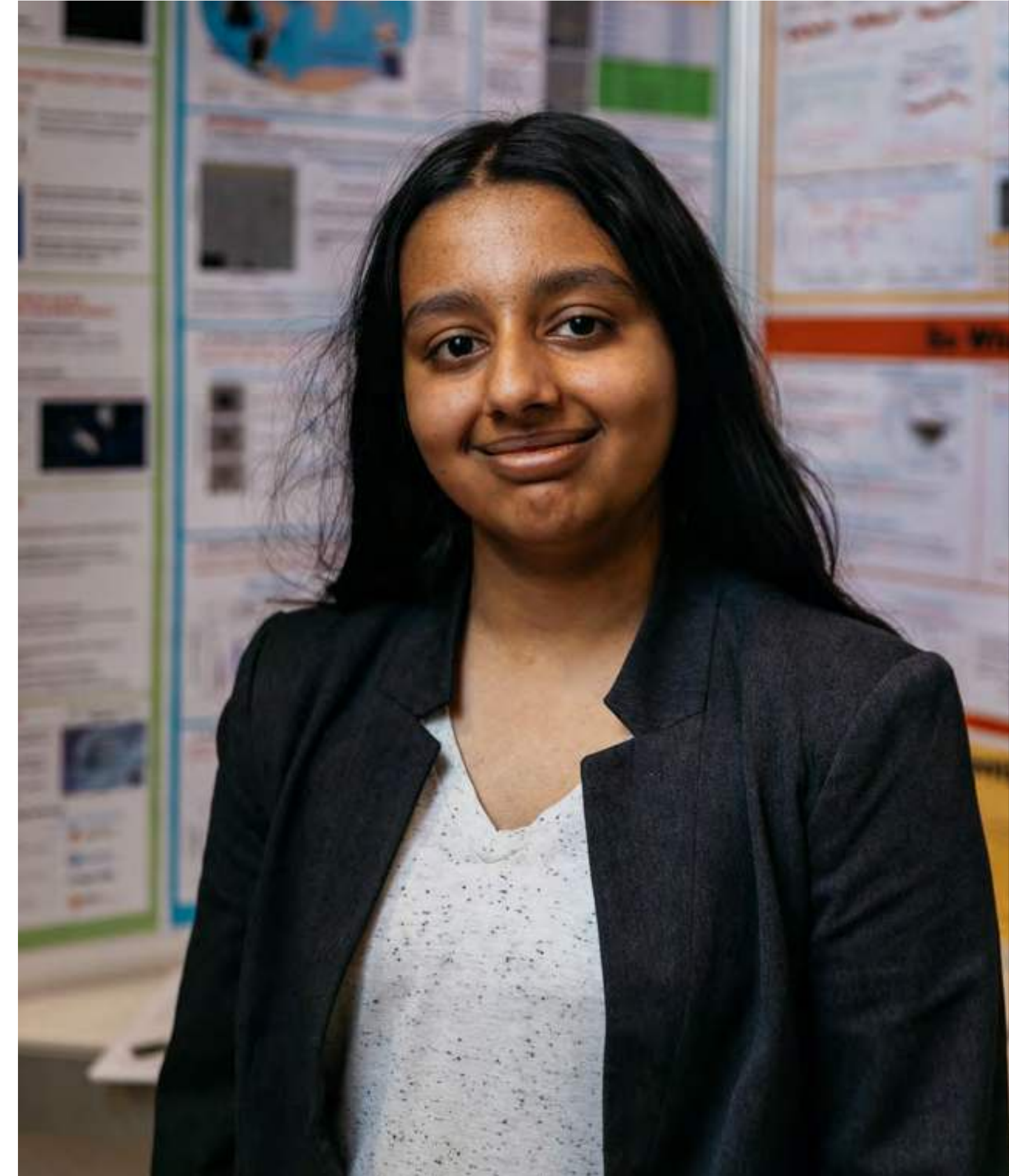


Excellence in Astronomy Award
Prix d'excellence en astronomie
Junior

Arushi Nath

Developing algorithms to determine asteroid's physical properties and success of deflection missions

Toronto - Ontario

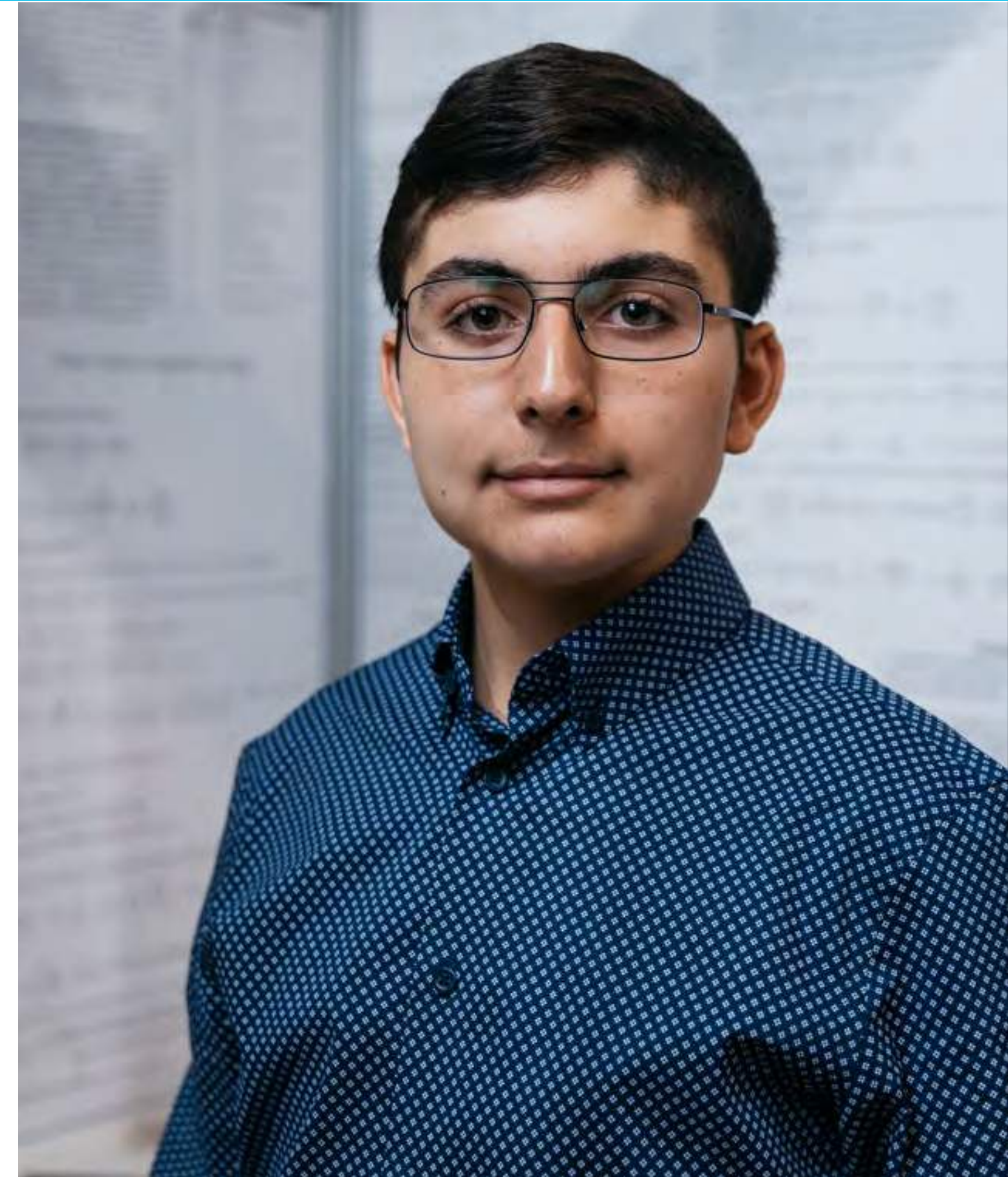


Excellence in Astronomy Award
Prix d'excellence en astronomie
Intermediate / Intermédiaire

Alexander Abesteh

Timelike and Null Geodesics around a Reissner-Nordström Black Hole

Ottawa – Ontario



First Nations University of Canada Award

Prix de First Nations University of Canada (Université des Premières Nations du Canada)

Junior

Fred McKay Campbell

Exploring the Potential of Juniper and Cedar as Alternative Sources for Essential Oil Extraction

MFNERC Schools – Manitoba

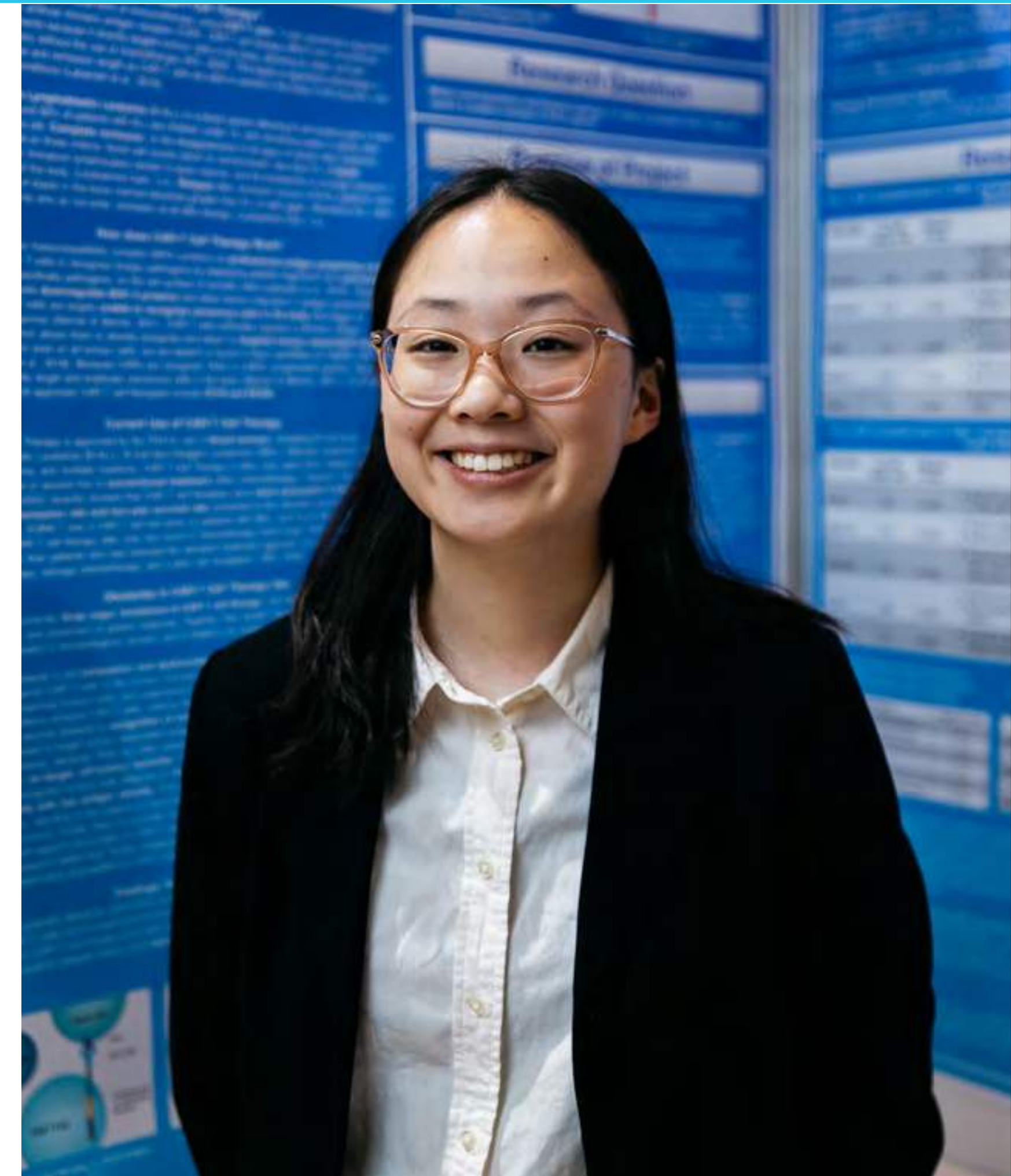


Genome Alberta and Genome Canada Award
Prix Génome Alberta et Génome Canada
Senior / Sénior

Elizabeth Chen

Optimization of CAR-T Cell Therapy using RNA-Sequencing Analysis for Biomarker Identification

Edmonton – Alberta



Hydrogen Optimized Green Energy Award Prix de l'énergie verte optimisée par l'hydrogène

Senior / Sénior

William Chiu
Rohit Koneru

Quantum Annealing for Real-Time Reconfiguration of Electrical Grids to
Minimize Transmission Loss

Toronto - Ontario



Intact Climate Change Resilience Award
Prix « Intact » pour la résilience aux changements climatiques

Junior

Aryan Sharma

A Novel Solution to Plastic Pollution

Calgary Youth – Alberta



Intact Climate Change Resilience Award

Prix « Intact » pour la résilience aux changements climatiques

Intermediate / Intermédiaire

Fayhaa Kafi

The Orange Brick 2.0

South Fraser – British Columbia



Intact Climate Change Resilience Award

Prix « Intact » pour la résilience aux changements climatiques

Senior / Sénior

Alyssa Anderson

Phytotron Ventilation: Seedling Survival in a Changing Environment

South-East New Brunswick – New Brunswick



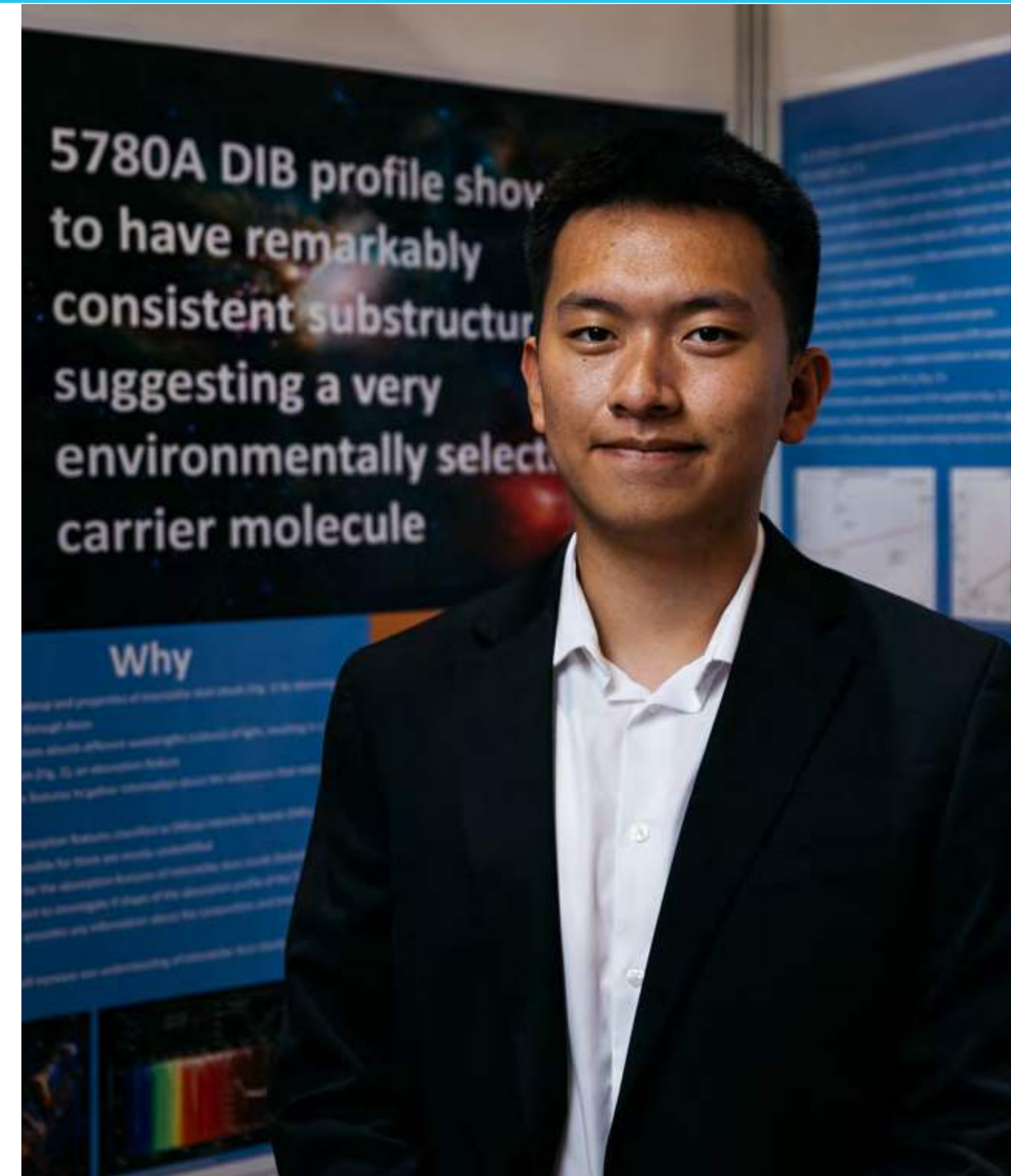
International Summer School for Young Physicists Award
Prix de l'École d'été internationale pour les jeunes physiciens

Senior / Sénior

Kevin Shao

Characterizing the Intrinsic Profile and Environmental Variations of the 5780Å DIB

Thames Valley – Ontario



Nanotechnology for Sustainable Society Award
Prix de nanotechnologie pour une société durable

Junior

Ryyan Hammoud

Smart Naloxone Kit

South Fraser – British Columbia



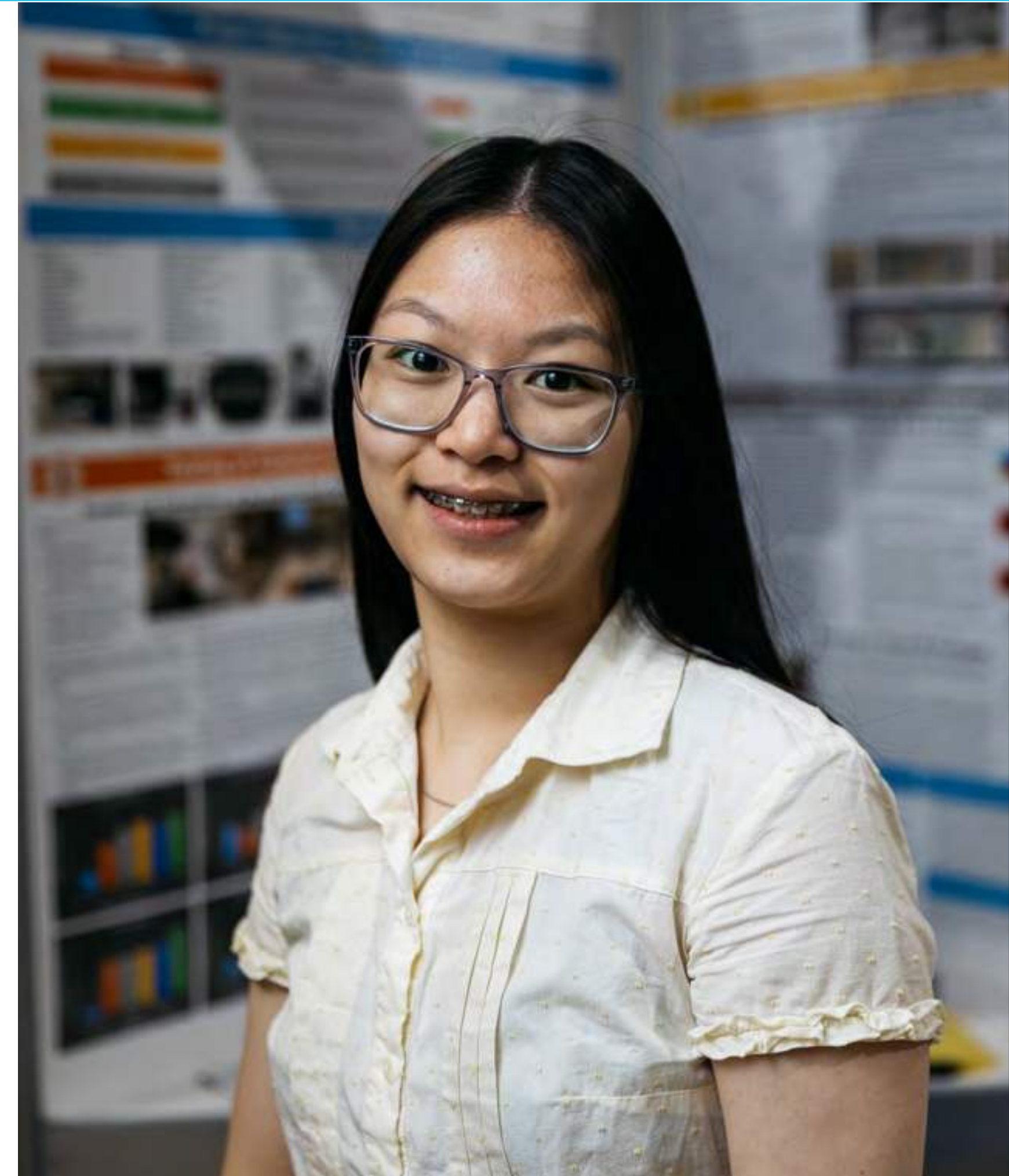
Nanotechnology for Sustainable Society Award
Prix de nanotechnologie pour une société durable

Intermediate / Intermédiaire

Sophia Zhang

Triboelectric Nanogenerator for Wind Energy Harvesting

Eastern Newfoundland – Newfoundland & Labrador



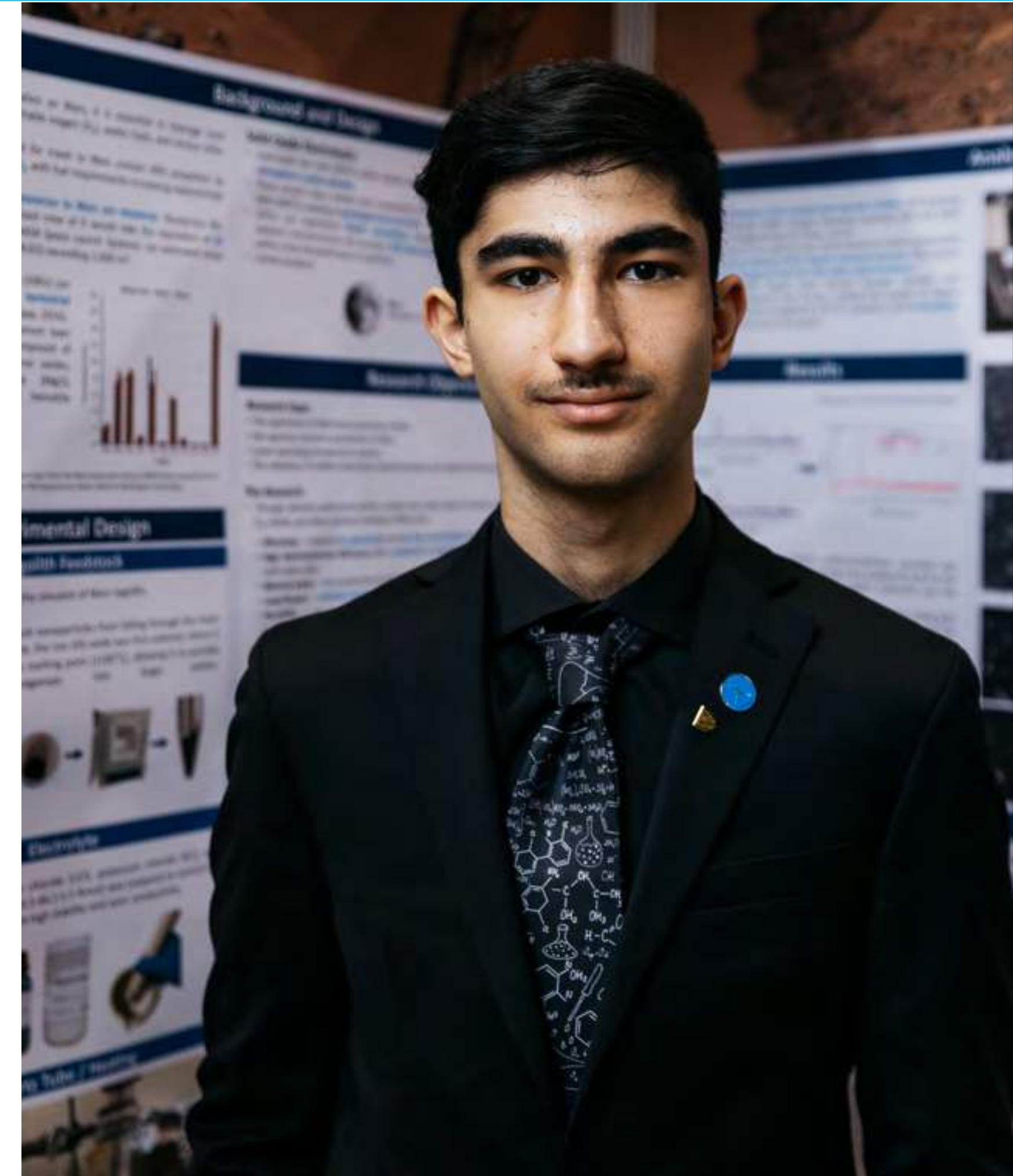
Nanotechnology for Sustainable Society Award Prix de nanotechnologie pour une société durable

Senior / Sénior

Hooman Reza Nezhad

From Dust to Habitation – Molten Salt Electrolysis for the In-situ Reduction of Martian Regolith

Waterloo-Wellington – Ontario



Nutrients for Life Foundation Award
Prix de la fondation « Nutriments pour la vie »

Junior

Mya Hart
Violeta Mena-Lozada

Water is more than wet

Prince Edward Island – Prince Edward Island



Renewable Energy Award
Prix de l'énergie renouvelable

Junior

Dmytro Doroshenko
Saif Shah

Pop Can Solar Heater

Central Alberta Rotary – Alberta



Renewable Energy Award Prix de l'énergie renouvelable

Intermediate / Intermédiaire

Malachi Coonishish

How To Increase Solar Panel Energy Output

Aboriginal Québec Autochtone – Québec



Renewable Energy Award
Prix de l'énergie renouvelable

Senior / Sénior

Mariane Angers

Vert Houlo₂ Wh

Réseau Technoscience – Québec



S.M. Blair Family Foundation Award
Prix S.M. Blair Family Foundation

Junior

Ash Dickens

C.I. Active Headband: Helping to Be Active with Cochlear Implants

Prince Albert & Northeast Saskatchewan – Saskatchewan

S.M. Blair
Family Foundation



S.M. Blair Family Foundation Award

Prix S.M. Blair Family Foundation

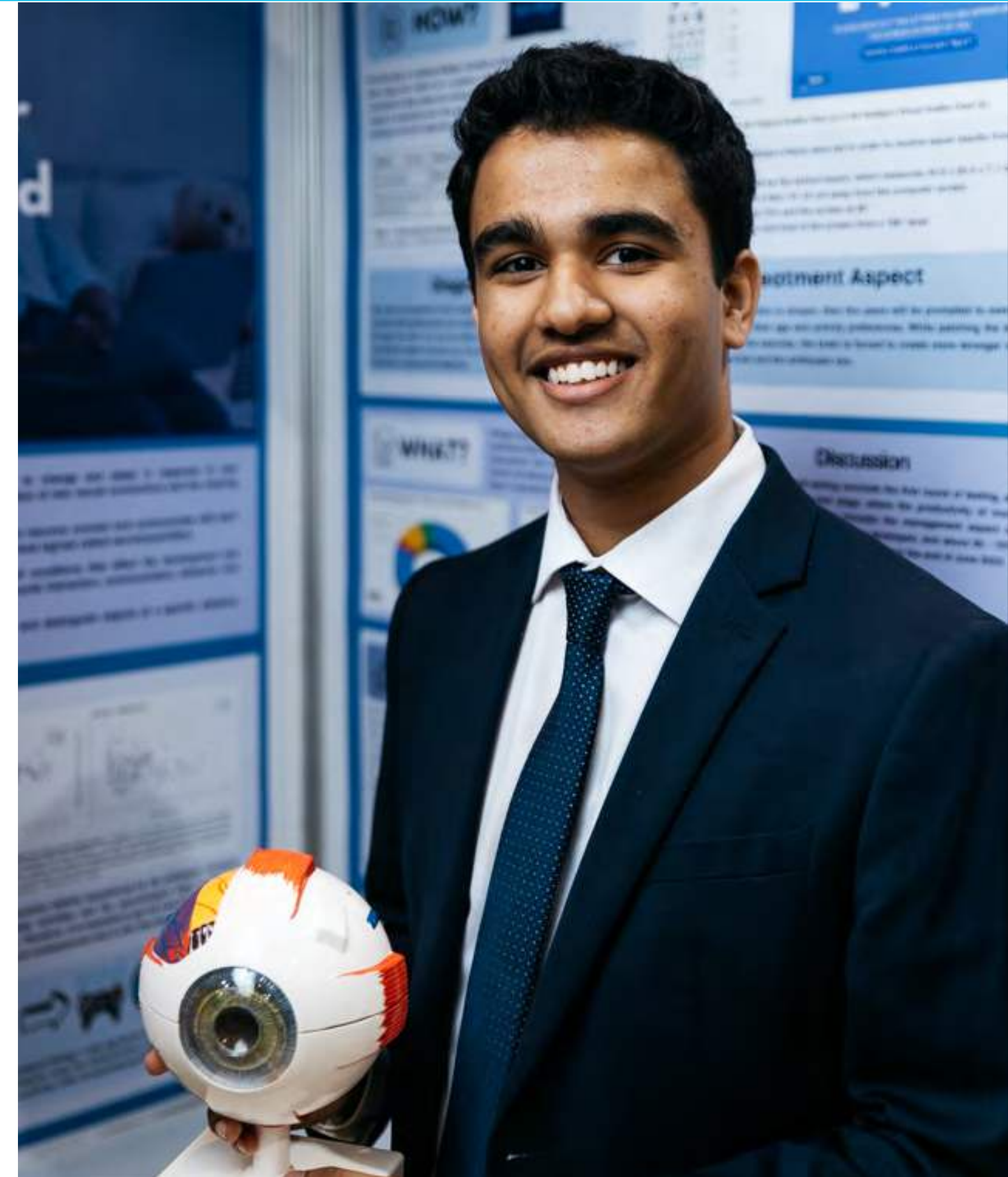
Intermediate / Intermédiaire

Ashish Chettimada

ReAlign: A Novel Solution for the Early Detection and Management of Amblyopia

Waterloo-Wellington – Ontario

**S.M. Blair
Family Foundation**



S.M. Blair Family Foundation Award

Prix S.M. Blair Family Foundation

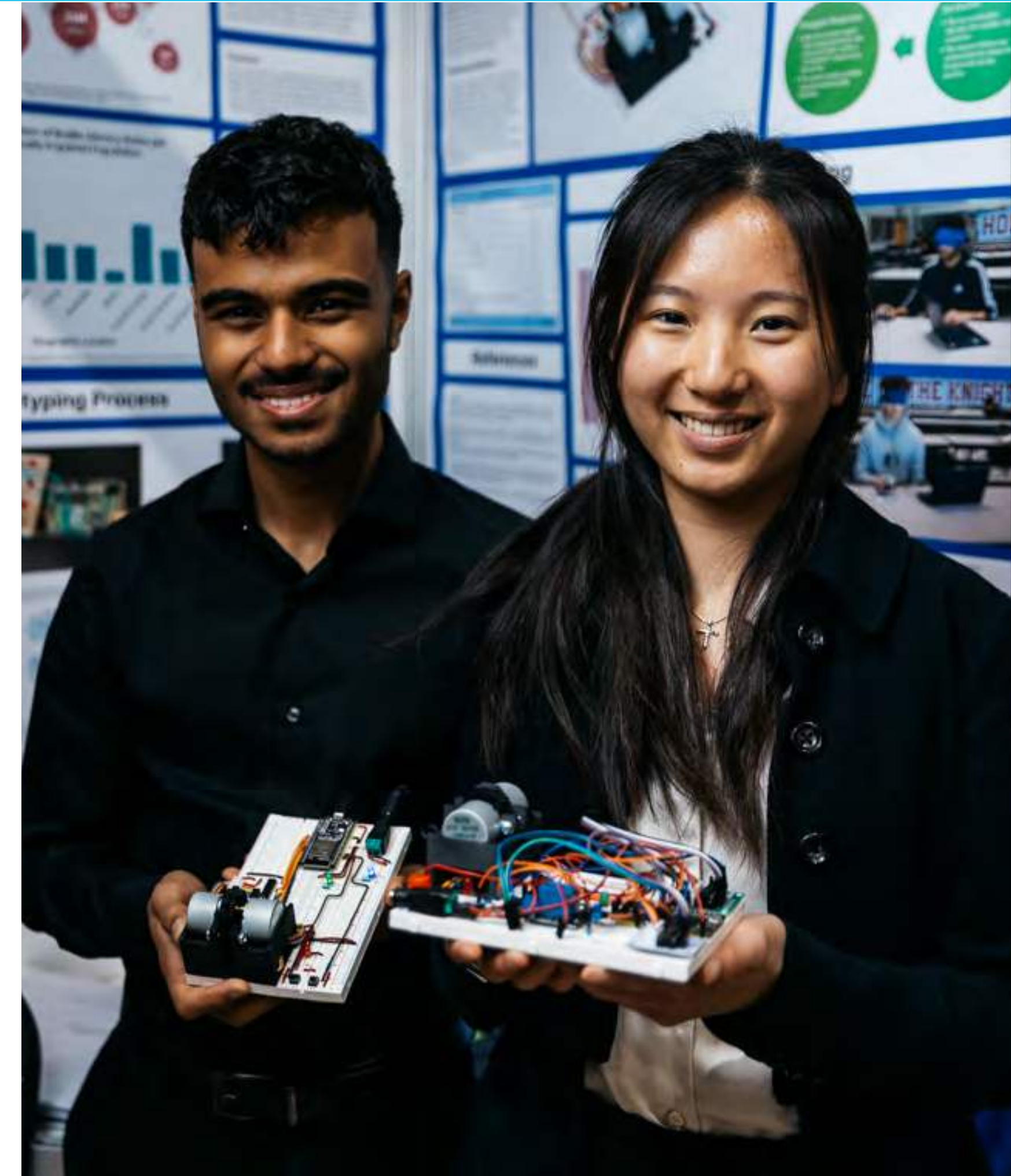
Senior / Sénior

Moulik Budhiraja
Katelyn Wu

Nail Braille: A Novel Approach Towards Braille Education

Waterloo-Wellington – Ontario

S.M. Blair
Family Foundation



Shad Canada Scholarship Award

Bourse d'étude Shad Canada

Intermediate / Intermédiaire

Spencer Pearce

Noise Pollution or Productivity? Investigating the Effects of Sound on Concentration

Western Manitoba – Manitoba



Shad Canada Scholarship Award

Bourse d'étude Shad Canada

Intermediate / Intermédiaire

Isabelle Durepos

La société et tes pensées

Districts francophones du N.-B. – New Brunswick

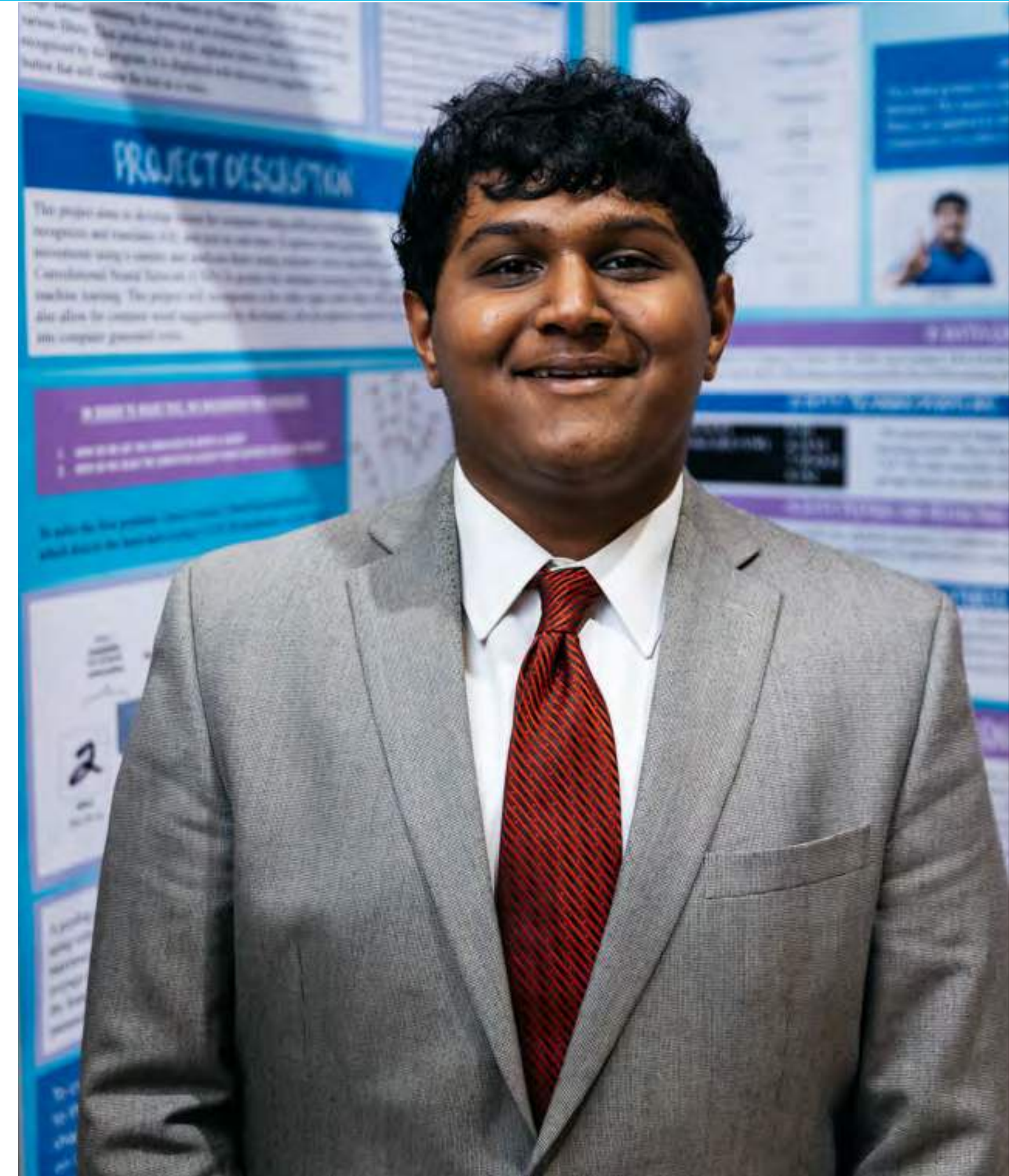


Shad Canada Scholarship Award
Bourse d'étude Shad Canada
Intermediate / Intermédiaire

Vedant Sheel

A Voice For The Voiceless

Bluewater – Ontario



**Statistical Society of Canada Award
Prix de la Société statistique du Canada**

Intermediate / Intermédiaire

Jonathan Leung

A Survey of Spider Diversity at the University of British Columbia Farm

Greater Vancouver – British Columbia



**Statistical Society of Canada Award
Prix de la Société statistique du Canada**

Senior / Sénior

Dolev Klein Harari

An Earthshattering Coding Prophecy

United Counties – Ontario



Technology in Agriculture Award
Prix de la technologie en agriculture

Junior

Jordan LeBlanc

Transferring Pollen Using a Mechanical Bee

Bay Area - Ontario

 **Johnston's Grain**



Technology in Agriculture Award Prix de la technologie en agriculture

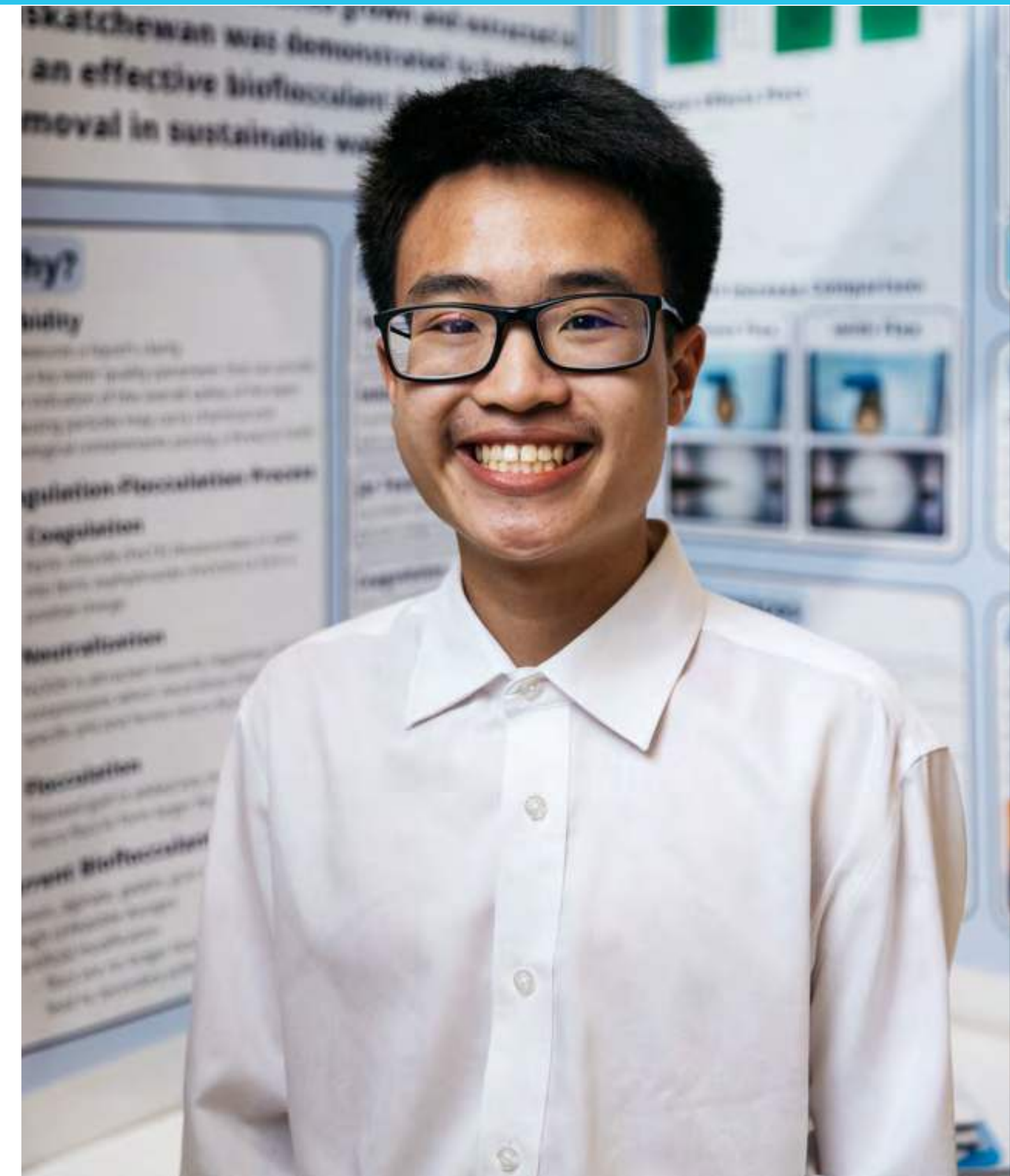
Intermediate / Intermédiaire

Thông Quách

FlaxFloc - A Saskatchewan Plant-Based Material in Turbidity Removal for Sustainable Water Treatment

Saskatoon – Saskatchewan

 **Johnston's Grain**



Technology in Agriculture Award
Prix de la technologie en agriculture

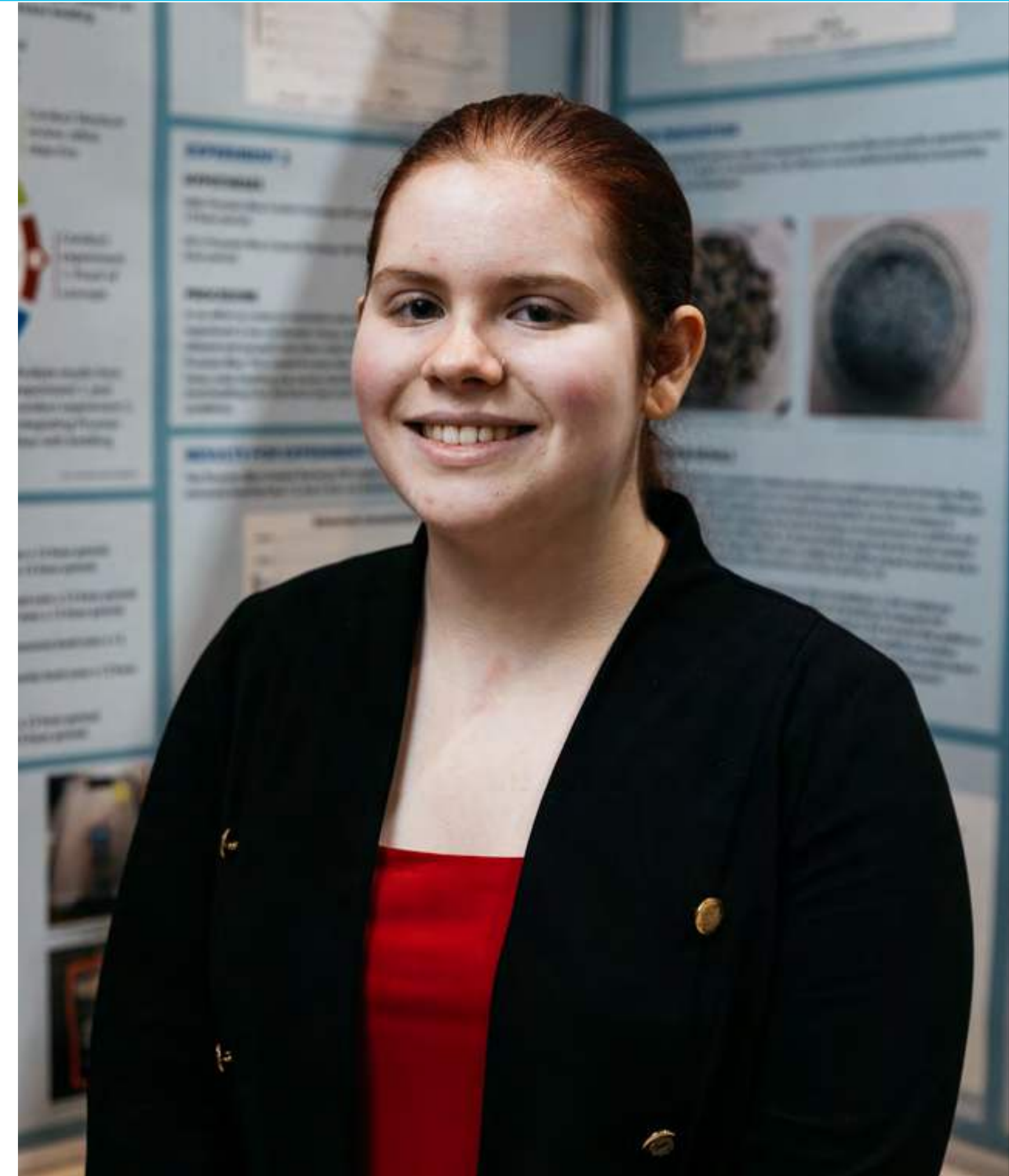
Senior / Sénior

Mac Dykeman

An Innovative Approach to Ammonia Control in Poultry Operations

4-H Canada

 **Johnston's Grain**



University of Ottawa Undergraduate Research Scholarship Award Bourse de recherche de premier cycle de l'Université d'Ottawa

Senior / Sénior

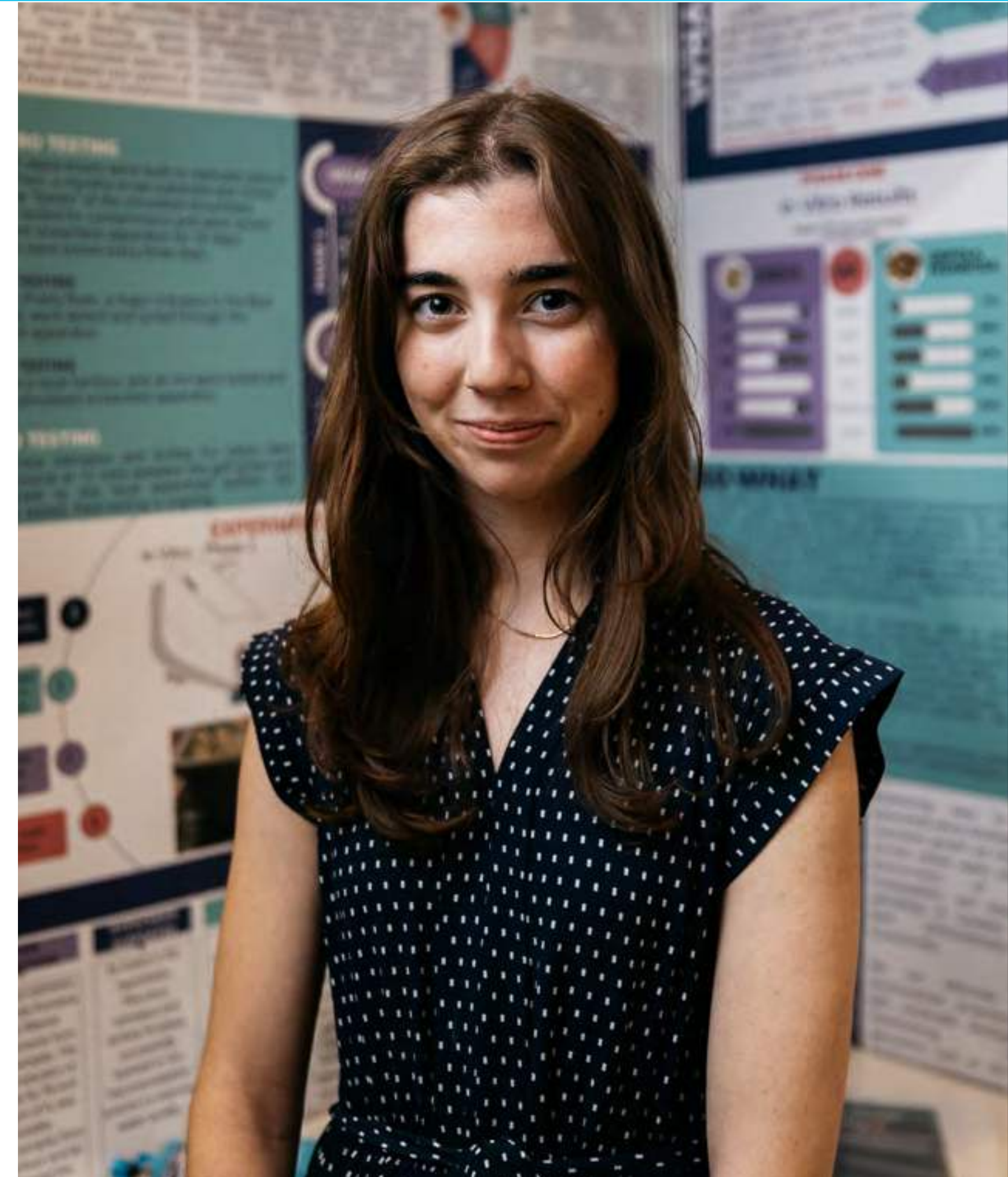
Ava Fischer

exSTREAM FUNgi

Simcoe County – Ontario



uOttawa



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Luca Agnello

Énergie volcanique

Ottawa – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Maggie Alexander

Who's Cell Phone is the Grossest?

Renfrew County - Ontario



Excellence Award - Bronze

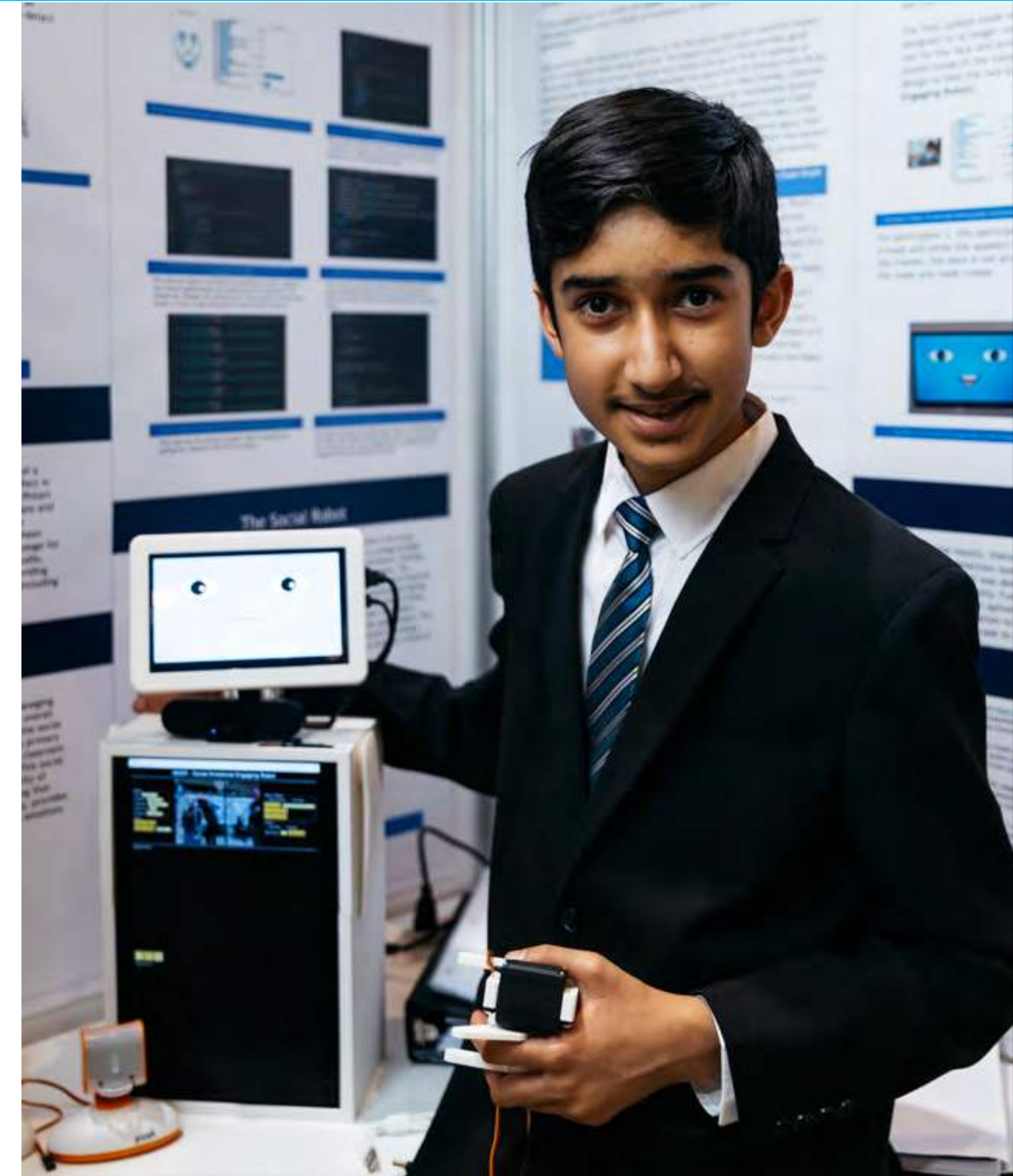
Prix d'excellence - bronze

Junior

Imran Allarakhia

My SEER (Social Emotional Engaging Robot): Social Robots to Detect and Manage Student Anxiety

Bay Area - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Sebastian Audet

Seymour Lake is having a Floating Heart attack

Pacific Northwest – British Columbia



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Alexandra Bishop

Exploring The Effectiveness of Multipurpose Toothpastes on the Oral Flora

Algoma Rotary – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Marshall Bobier

R-U Insulated

Regina - Saskatchewan



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Maria Brons

Eggs vs. Time

Prince Albert & Northeast Saskatchewan – Saskatchewan



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Jasmine Chow

Can chip bags be used as an emergency blanket?

West Kootenay & Boundary – British Columbia



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Emmersyn da Mata Hailee Marshall

Walk your Butt to the Can

Frontier Schools - Manitoba



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Dexter Deheer

Can you Crypto Mine with a RaspberryPi?

Central Alberta Rotary – Alberta



Excellence Award - Bronze
Prix d'excellence - bronze
Junior

Claire Friesen

The Way It Flows: Laminar vs. Turbulent

Central Alberta Rotary – Alberta



Excellence Award - Bronze

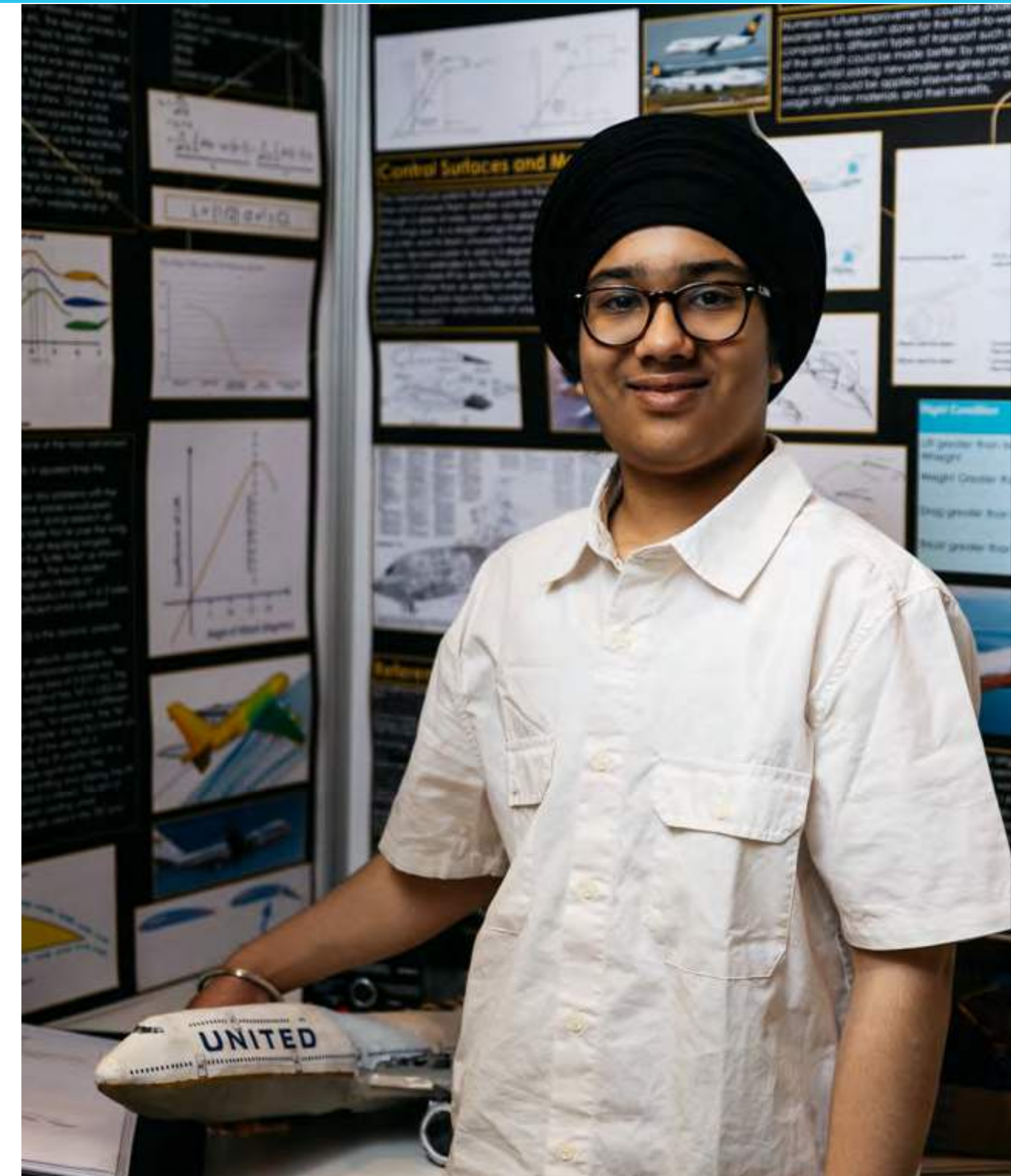
Prix d'excellence - bronze

Junior

Deepraj Singh Gill

How a Commercial Jetliner Functions

Fraser Valley - British Columbia



Excellence Award - Bronze

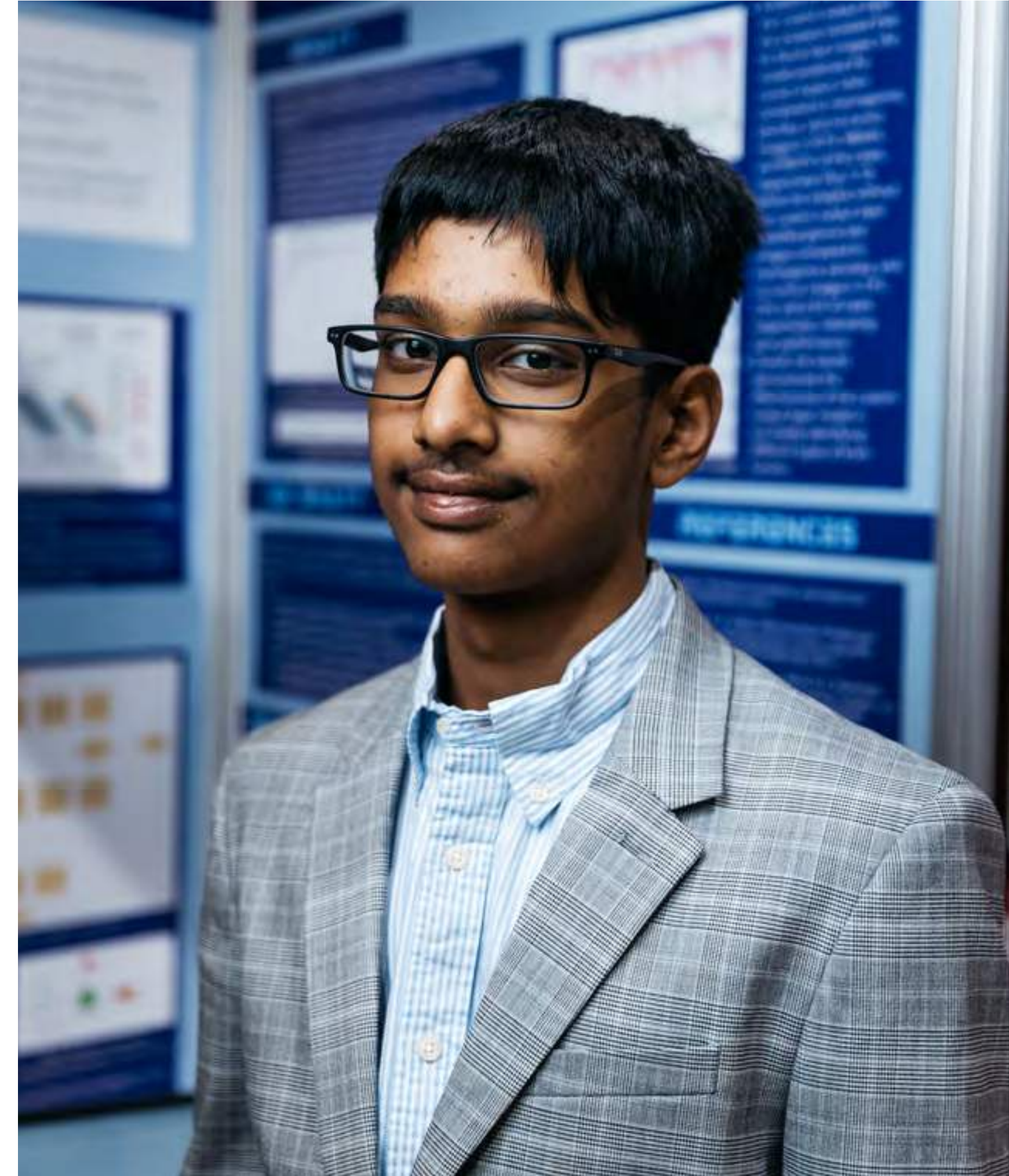
Prix d'excellence - bronze

Junior

Safwan Hussain

Building a Multiclass Brain Tumor Classification Model using a Convolutional Neural Network (CNN)

Waterloo-Wellington – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Jeffrey Ion

Think Fast!

Bay Area - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Abigail Jennings

Dress up: Gender Bias in Character Design

Ottawa – Ontario



Excellence Award - Bronze
Prix d'excellence - bronze
Junior

Ben Kawa

Driver Wake Up!

Sudbury - Ontario

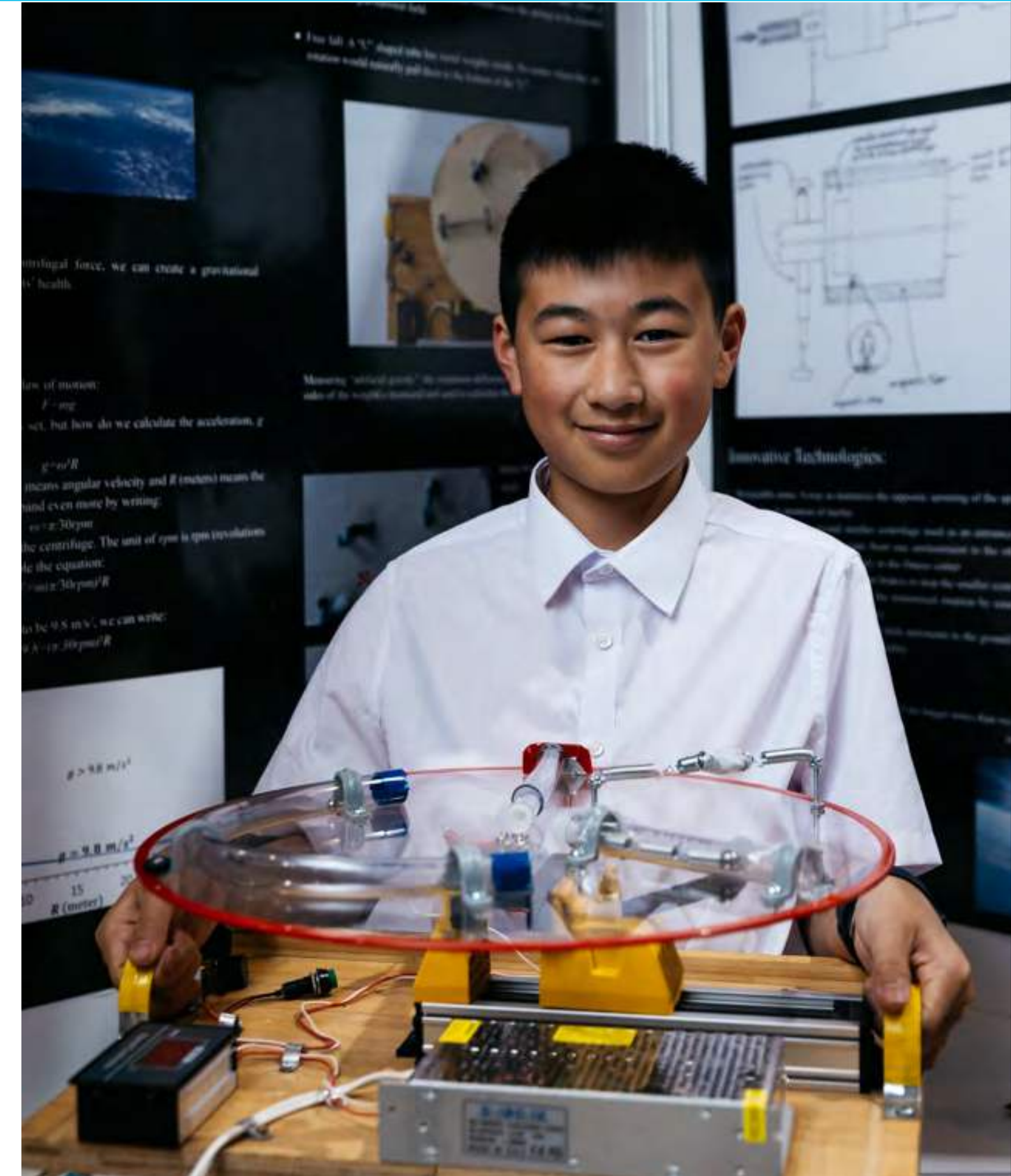


Excellence Award - Bronze
Prix d'excellence - bronze
Junior

William Li

Centrifugal Space Fitness Center

West Kootenay & Boundary – British Columbia



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Ariel Mason

Using Machine Learning to Detect Breast Cancer

Calgary Youth – Alberta



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Khafri Mau

The First Step to Growing Plants on Mars

Greater Vancouver – British Columbia



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Emily McKenna

Compaction Action: Measuring the effect of additives on soil compaction

Winnipeg Schools – Manitoba



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Sia Mehta

Glaze the Roof

Simcoe County - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Daniel Nashed

Which one soundproofs best?

Manitoba Schools Science Symposium – Manitoba



Excellence Award - Bronze
Prix d'excellence - bronze
Junior

Emily Krause
E'lise Nguyen

M.E.P.

Ottawa - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Shail Patel

Dextera: An Affordable, Functional, Myoelectric Prosthetic Hand

Frontenac, Lennox & Addington – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Maggie Polischuk

'Steer Clear' The Break-Away Steering Wheel!

Sudbury - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Hanna Ryan

What's the best way to dry your hands?

Yukon Stikine – Yukon



Excellence Award - Bronze

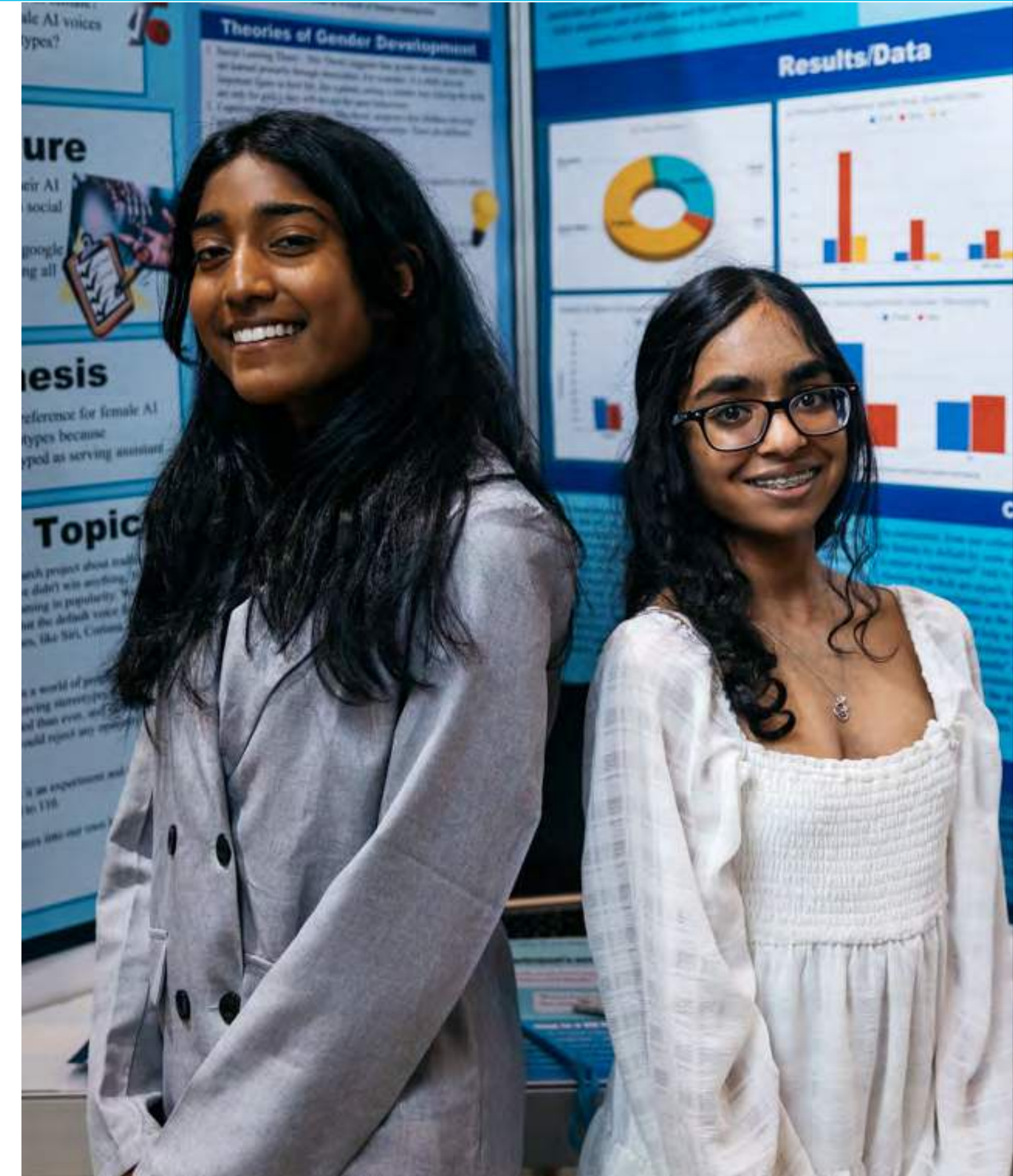
Prix d'excellence - bronze

Junior

Zenia Pereira Nandika Senthilkumar

Alex, the AI that Doesn't Exist

Edmonton - Alberta



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Ayana Torres

Amélioration de toiture: déflecteur de vent

Ottawa – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Junior

Jack Washburn

Sham(e)poo: Clean Hair without the Dirty Secret Ingredients of Commercial Shampoos

Frontenac, Lennox & Addington – Ontario



Excellence Award - Bronze
Prix d'excellence - bronze
Junior

Mark Wendland

Tank Battles in 2D & 3D

Renfrew County - Ontario



Excellence Award - Bronze

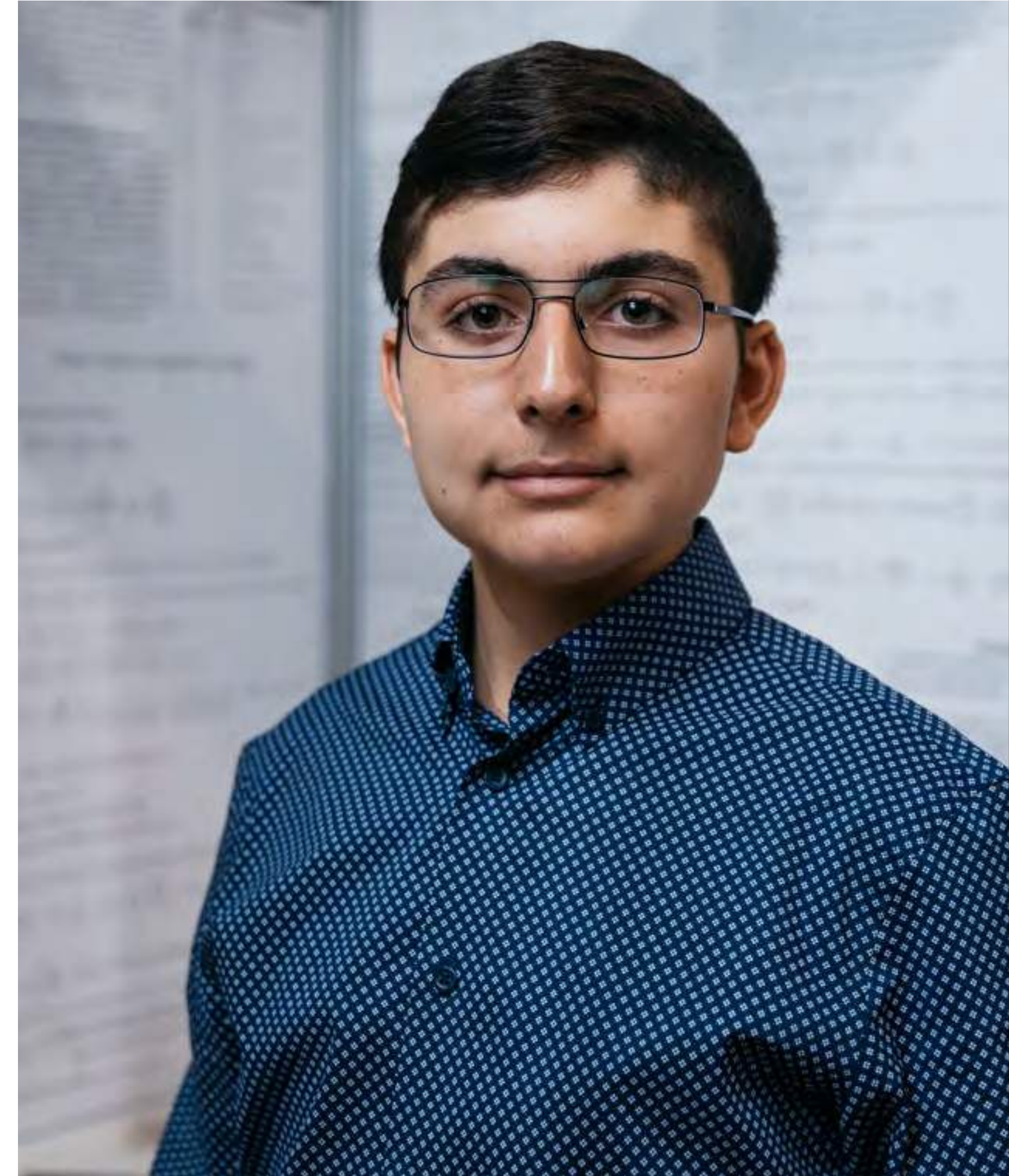
Prix d'excellence - bronze

Intermediate / Intermédiaire

Alexander Abesteh

Timelike and Null Geodesics around a Reissner-Nordström Black Hole

Ottawa – Ontario



Excellence Award - Bronze

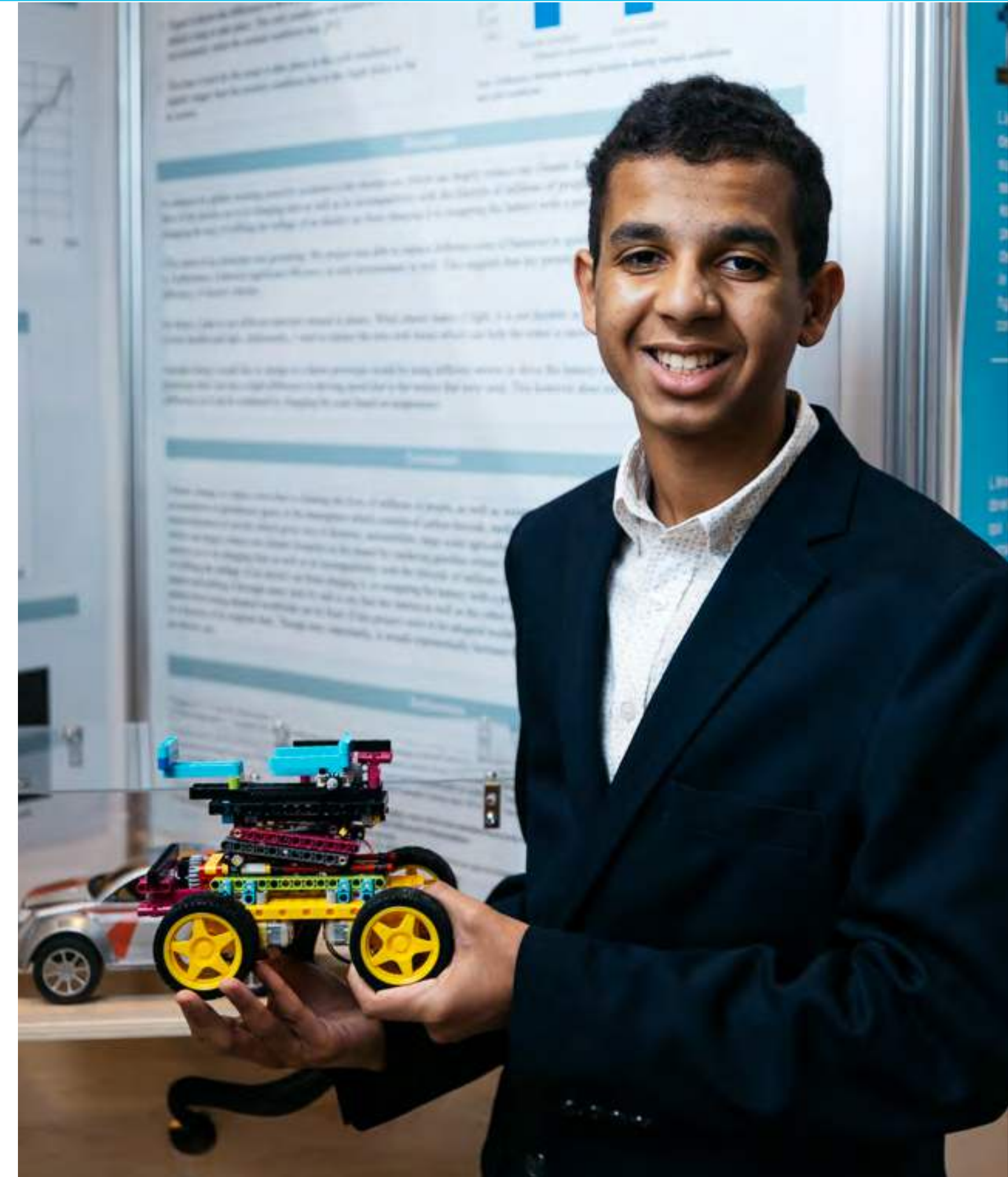
Prix d'excellence - bronze

Intermediate / Intermédiaire

Munir Al-Taher

Changing the way we refill electric cars

Canadian Black Scientists Network Youth



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Wafaa Amin **Asia Urquhart**

A Novel Study of Physiological and Social Relation with Low-Valence Emotions: Pediatric PCEST Care

Halifax - Nova Scotia



Excellence Award - Bronze

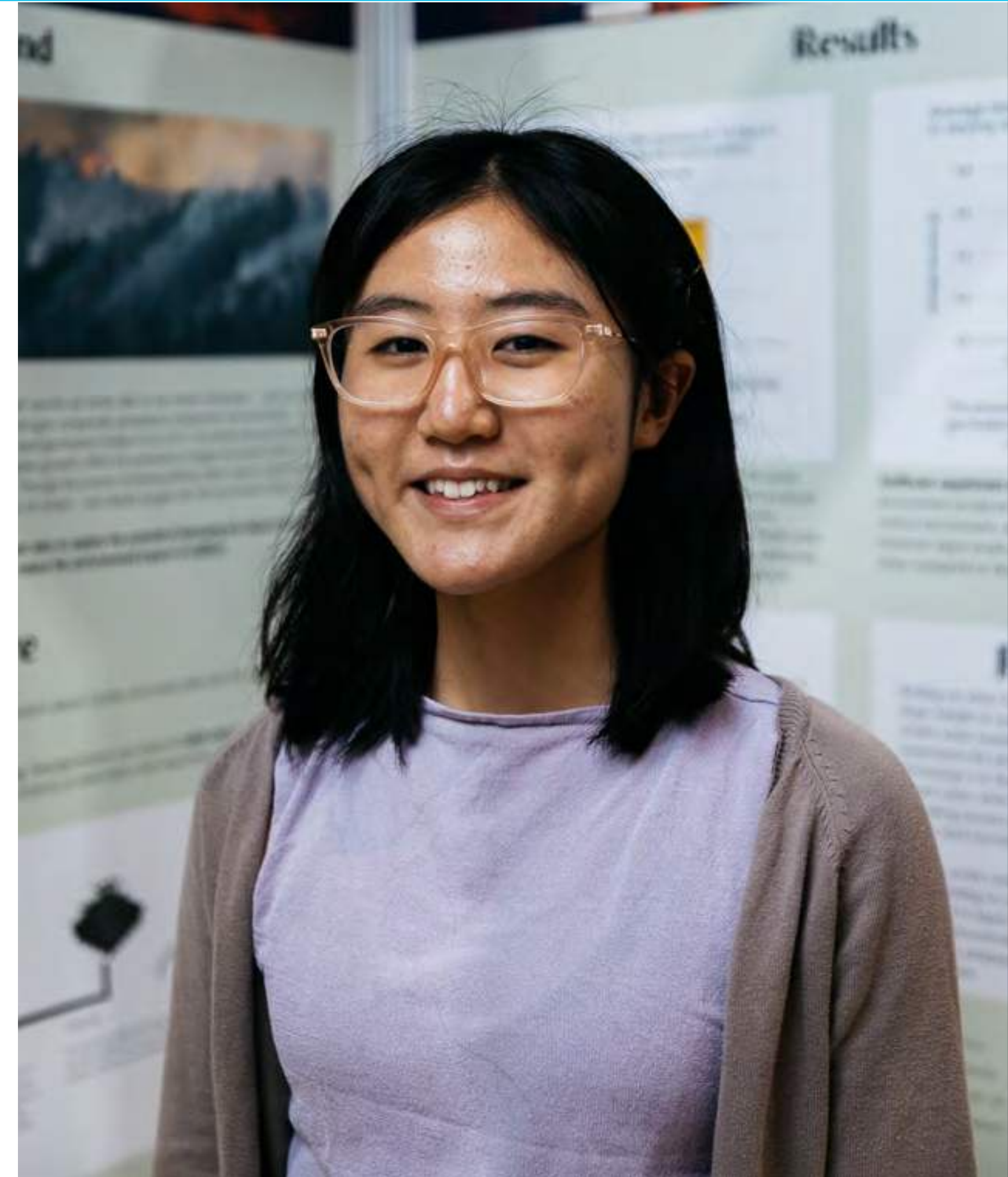
Prix d'excellence - bronze

Intermediate / Intermédiaire

Kaitlyn Chan

Greening the Flames: Investigating the abilities of plants to reduce the impact of wildfires

Vancouver Island – British Columbia



Excellence Award - Bronze

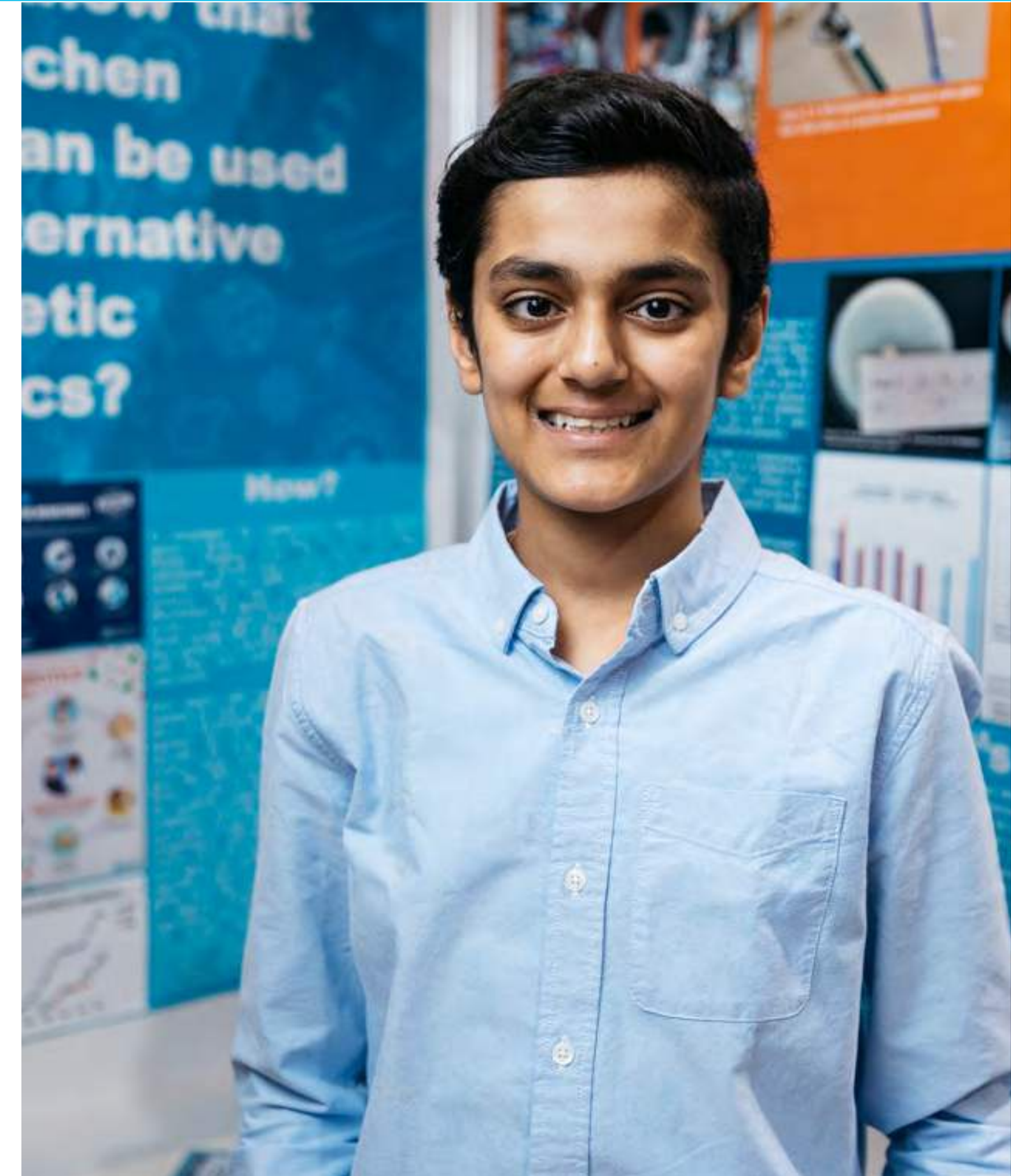
Prix d'excellence - bronze

Intermediate / Intermédiaire

Armaan Chaudhari

Antibiotics: Synthetic and Natural

Western Manitoba – Manitoba



Excellence Award - Bronze

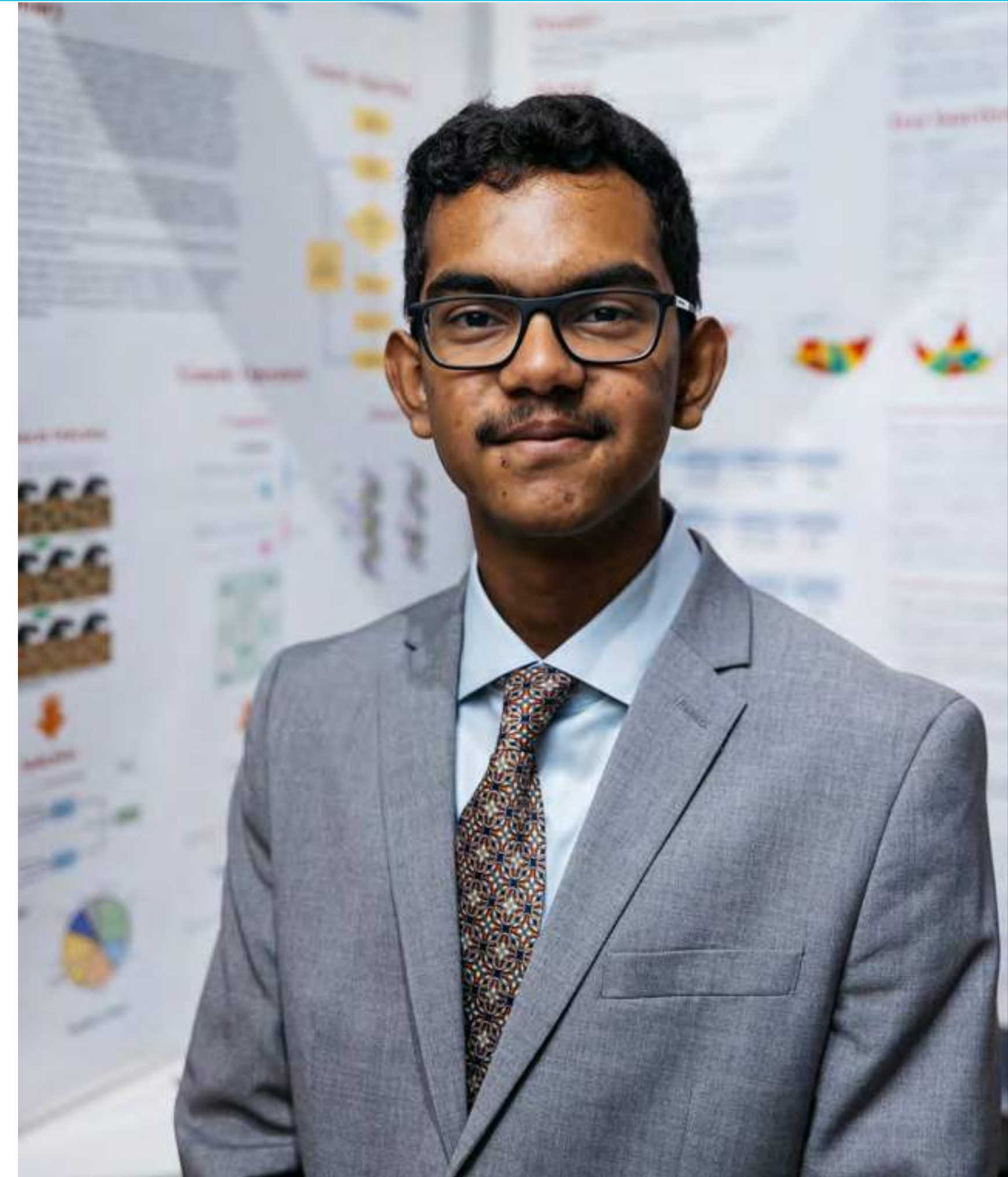
Prix d'excellence - bronze

Intermediate / Intermédiaire

Aiyaan Faisal

Exploration of Genetic Algorithm for Function Optimization

Winnipeg Schools – Manitoba



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Swas Ghosh

Green Pools of CO₂: The Effects of CO₂ on Household Plants

Northern British Columbia – British Columbia



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Micah Hansen

Homemade Fertilizers

Peace Country - Alberta



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Nycea Hazelwood

Biomagnification – When a little becomes a lot

Lethbridge – Alberta



Excellence Award - Bronze

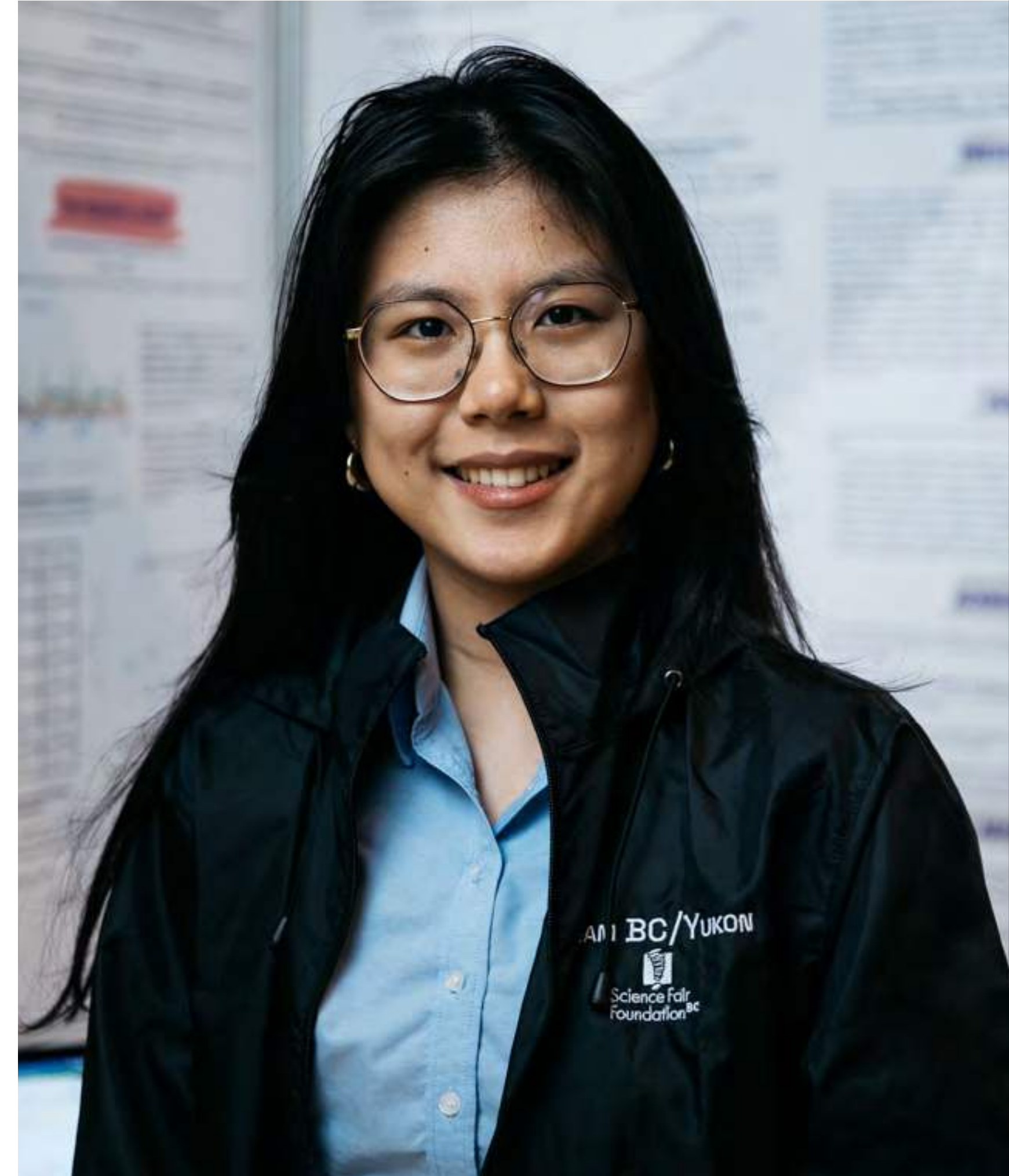
Prix d'excellence - bronze

Intermediate / Intermédiaire

Reine Huang

Detecting and Preventing Human Falling with Lateral Stability

Greater Vancouver – British Columbia



Excellence Award - Bronze

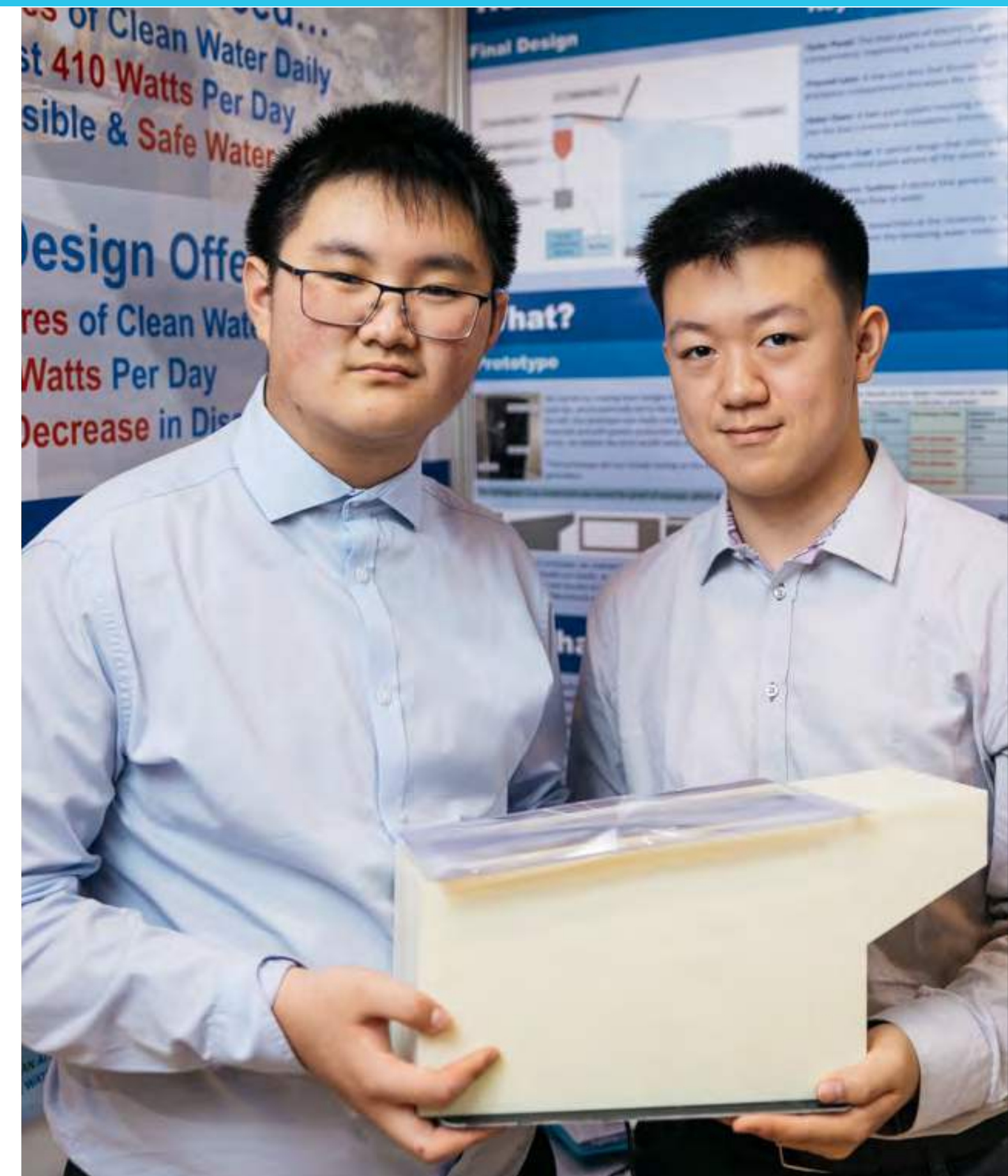
Prix d'excellence - bronze

Intermediate / Intermédiaire

Sterling Huang **Ethan Xu**

HydroElectrica: Water Purification + Dual Electricity Generation System

Toronto - Ontario



Excellence Award - Bronze

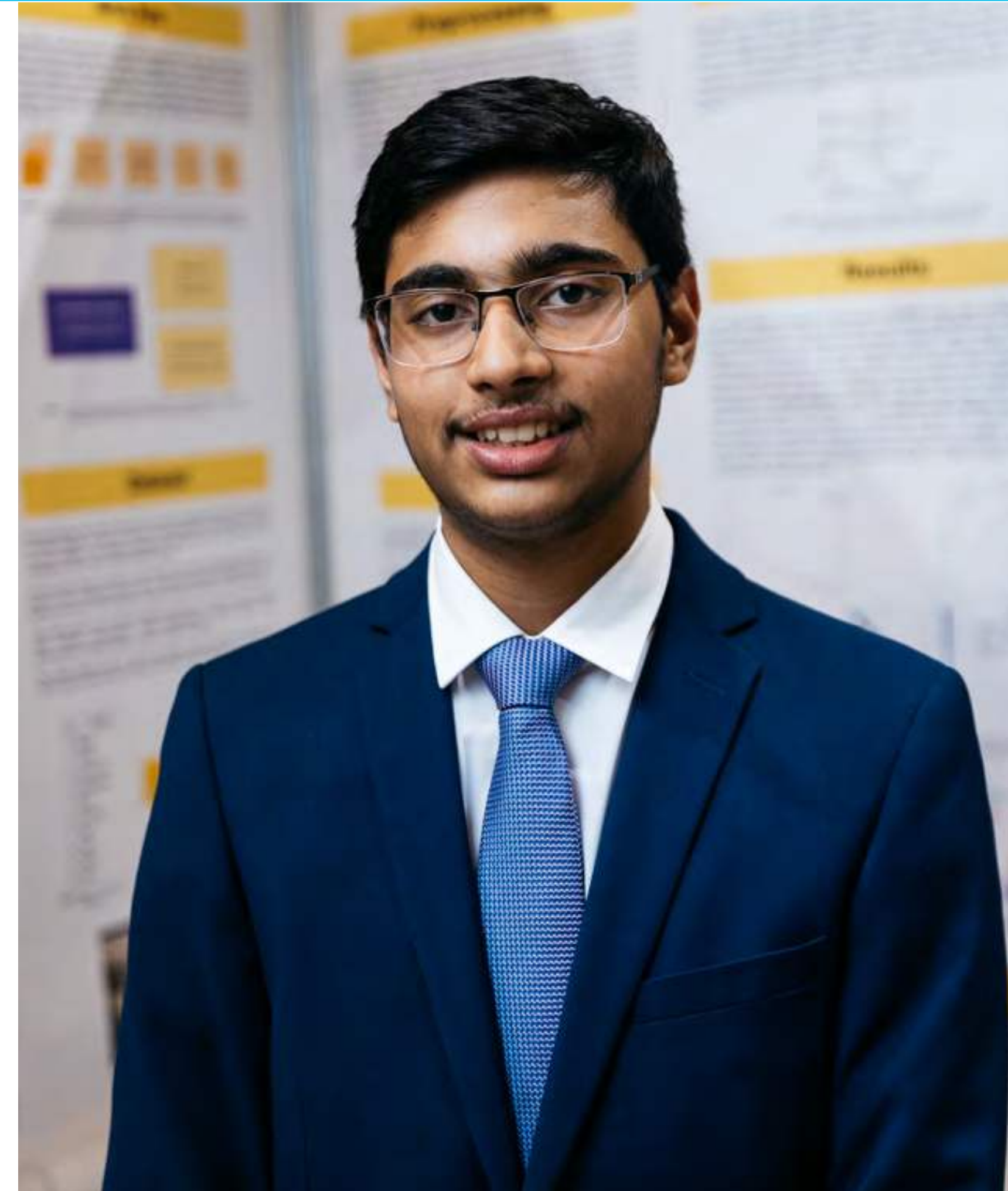
Prix d'excellence - bronze

Intermediate / Intermédiaire

Nimish Jain

Highly Evolved Lip Learning mOdel (HELLO): A Novel Machine Learning Model for Accurate Lipreading.

Greater Vancouver – British Columbia



Excellence Award - Bronze

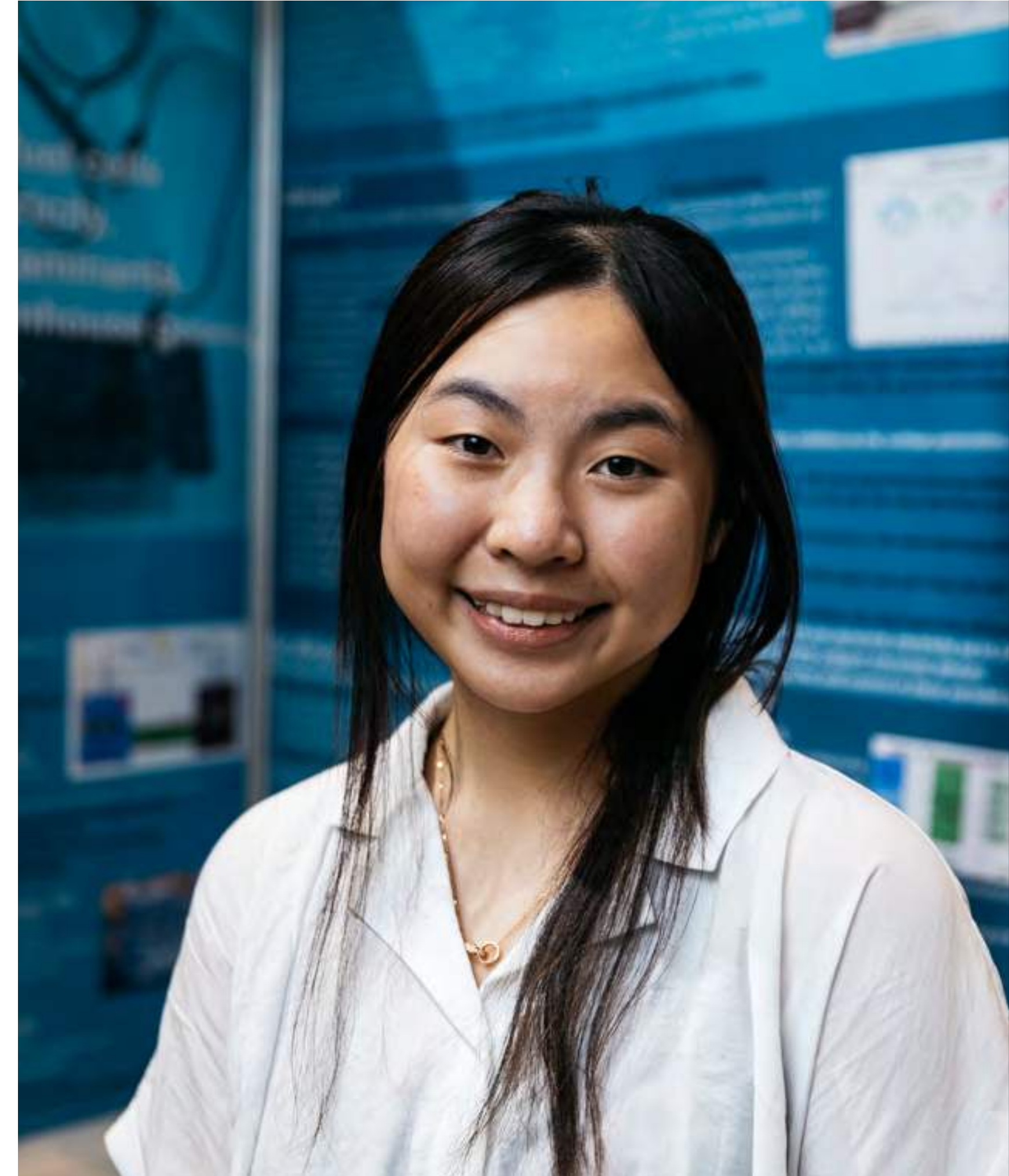
Prix d'excellence - bronze

Intermediate / Intermédiaire

Sophie Kong

Soil Microbial Fuel Cell

Prince Edward Island – Prince Edward Island



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

William Larder

Culvert Remediation for Fish Passage in Barkhouse Brook

Annapolis Valley – Nova Scotia



Youth Science Canada
Sciences jeunesse Canada



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Anna Lawand

Natural Antibiotics Comparison Experiment

Cape Breton – Nova Scotia



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Maya LeBlanc

**Nitrous Oxide Reduction in an Industrial Wet Scrubber Utilizing NosZ
Reductase and *P. denitrificans***

Bay Area - Ontario



Excellence Award - Bronze

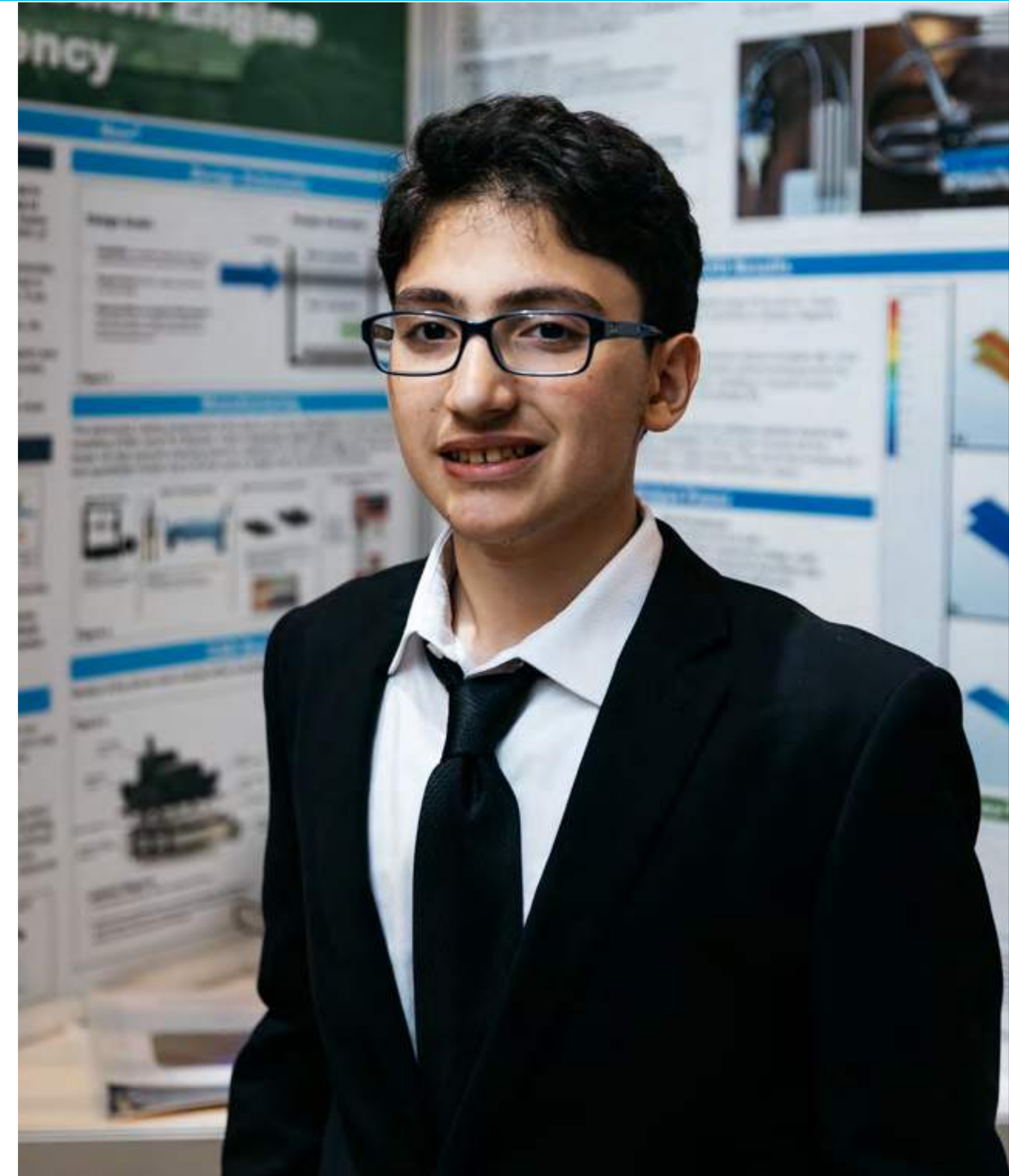
Prix d'excellence - bronze

Intermediate / Intermédiaire

Jad Menkara

Novel Thermoelectric Generator for Automobile Exhaust Waste Heat Recovery

Windsor – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Katharine Morley

Plastered Plants Defeat Drought: Exploring the effects of ethanol on drought resistance in plants

Vancouver Island – British Columbia



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Angelina Hang Noah Oliver Pang

Turning Algae Into Fibers: The Solution to Textile Waste

Greater Vancouver – British Columbia



Excellence Award - Bronze

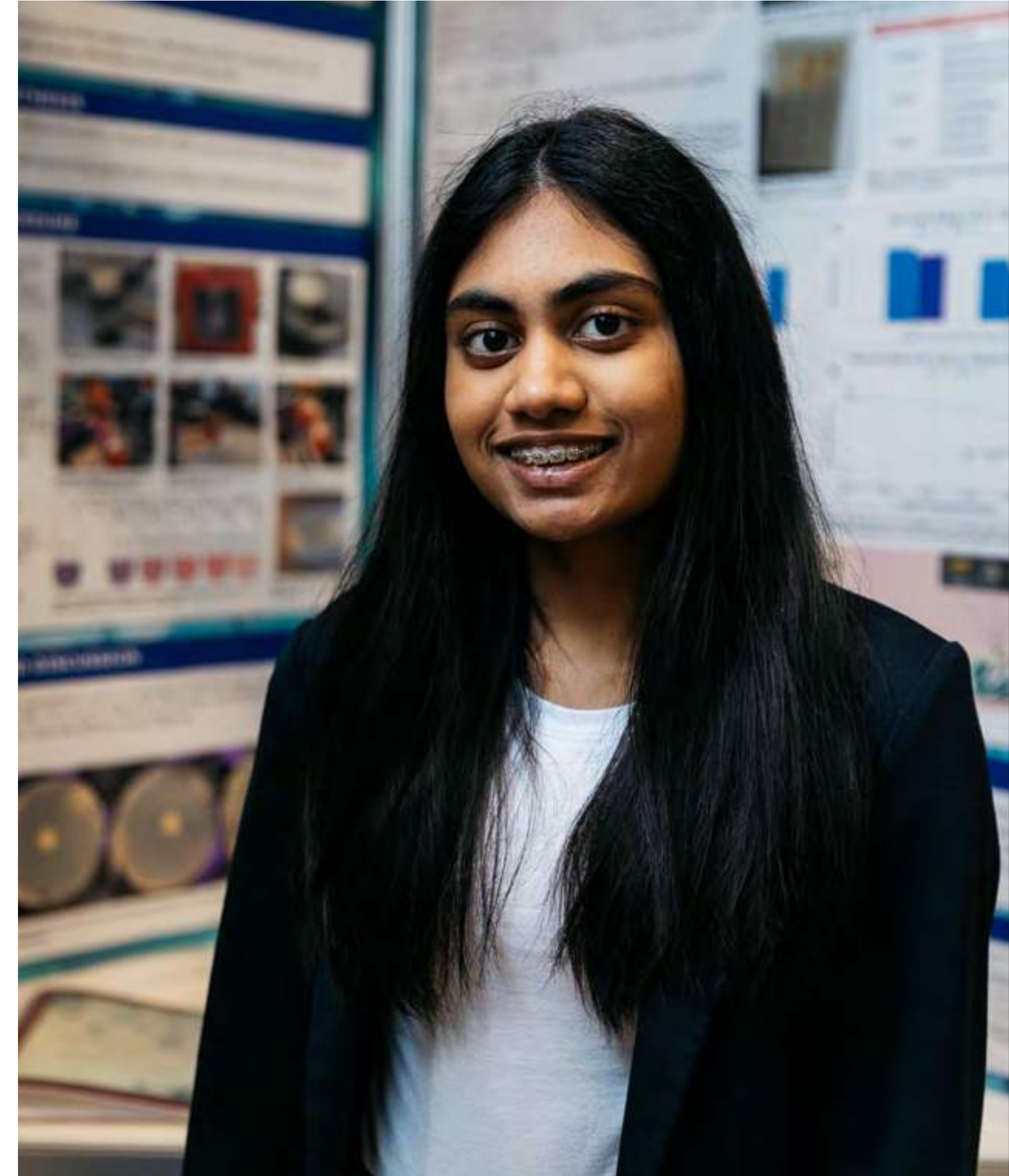
Prix d'excellence - bronze

Intermediate / Intermédiaire

Alpita Patro

Investigating the Antibacterial Activity of Natural Remedies Against Non-Pathogenic E. coli

Eastern Newfoundland – Newfoundland & Labrador



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Izabela Quest

Stopping Cancer in its Tracks: How does fructose enable cancer cell metastasis?

Frontenac, Lennox & Addington – Ontario



Excellence Award - Bronze

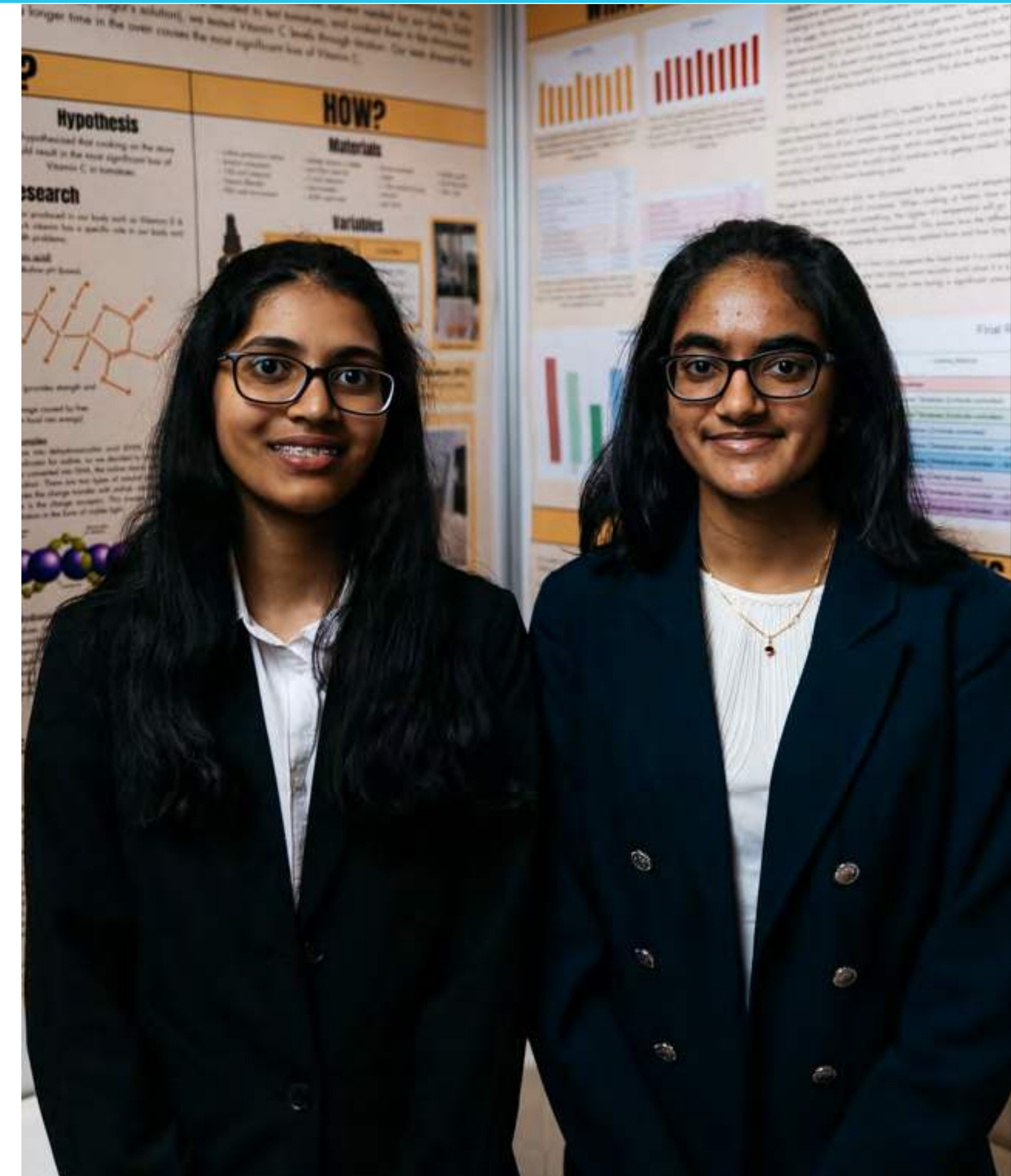
Prix d'excellence - bronze

Intermediate / Intermédiaire

Tanya Jivani
Lalithya Raavi

From Raw to Cooked: Exploring Cooking Methods on Ascorbic Acid Retention in Tomatoes

Wood Buffalo – Alberta



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Mohamed Saleh

Pumpkin Plastic: An Innovative Bioplastic to Replace Petroleum-based Plastic

Windsor – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Rishi Shah

From Pixels to Precision

Thames Valley – Ontario



Excellence Award - Bronze

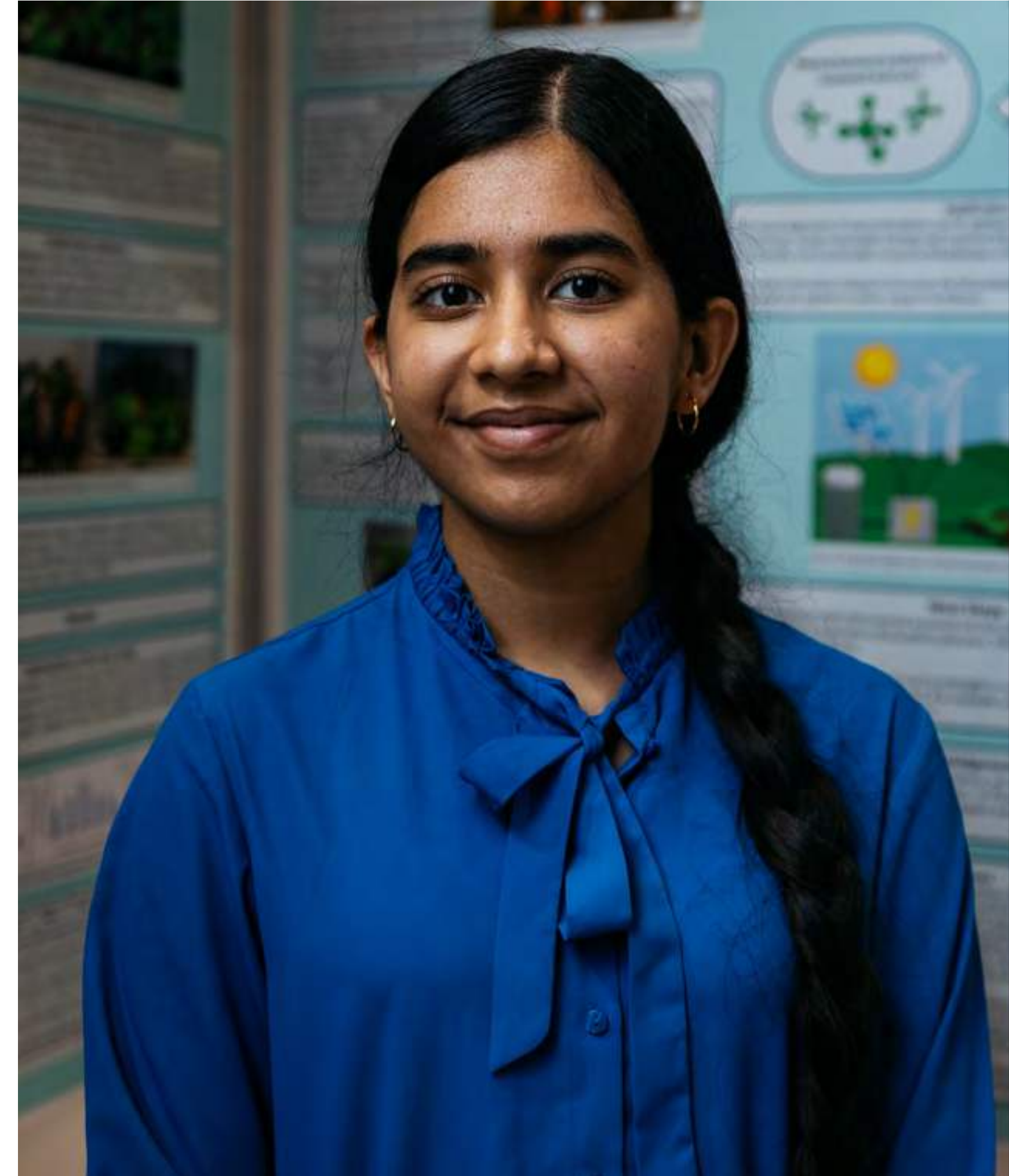
Prix d'excellence - bronze

Intermediate / Intermédiaire

Roocha Shukla

The Power that Brings Flowers

Waterloo-Wellington – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Prabhdeep Singh

Asion: An ML-powered Sky Navigation and Constellation Recognition System

Thames Valley – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Ella Strachan

**Mapping Microplastics: Computer Modelling to Predict & Address
Microplastic Accumulation in Lakes**

Winnipeg Schools – Manitoba



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Alexia Tomasello

La conservation des chauves-souris, un défi de taille !

Districts francophones du N.-B. – New Brunswick



Excellence Award - Bronze

Prix d'excellence - bronze

Intermediate / Intermédiaire

Beth Tubman

From Flower to Flavour – How pollen type affects honey

Strait – Nova Scotia



Excellence Award - Bronze

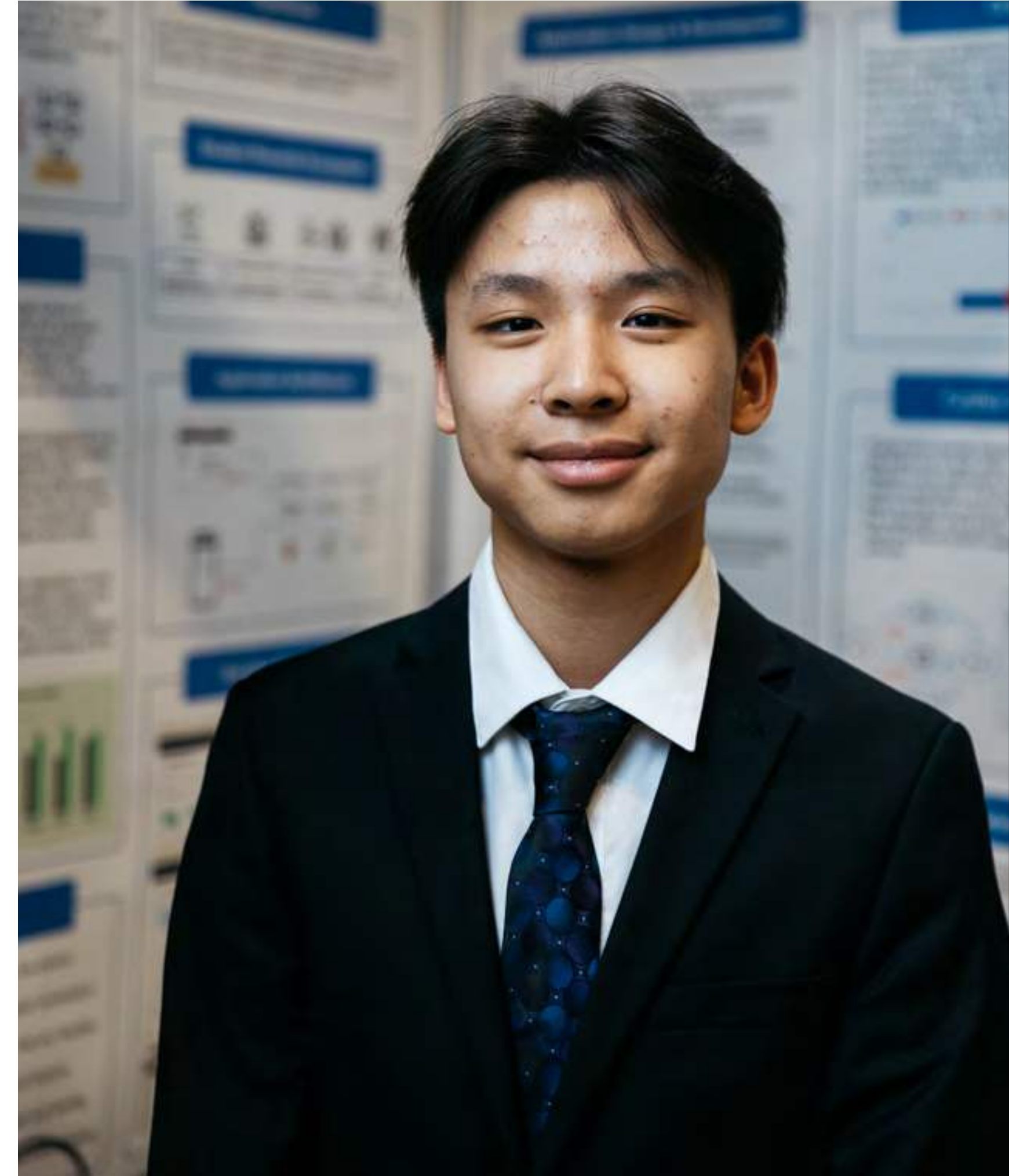
Prix d'excellence - bronze

Intermediate / Intermédiaire

Brian Yin

Student Engagement Rewards System

Bay Area - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Hannah Allen

Food for Thought

South Shore – Nova Scotia



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Hadlea Bradbury

Gluten Tox

Simcoe County – Ontario



Excellence Award - Bronze

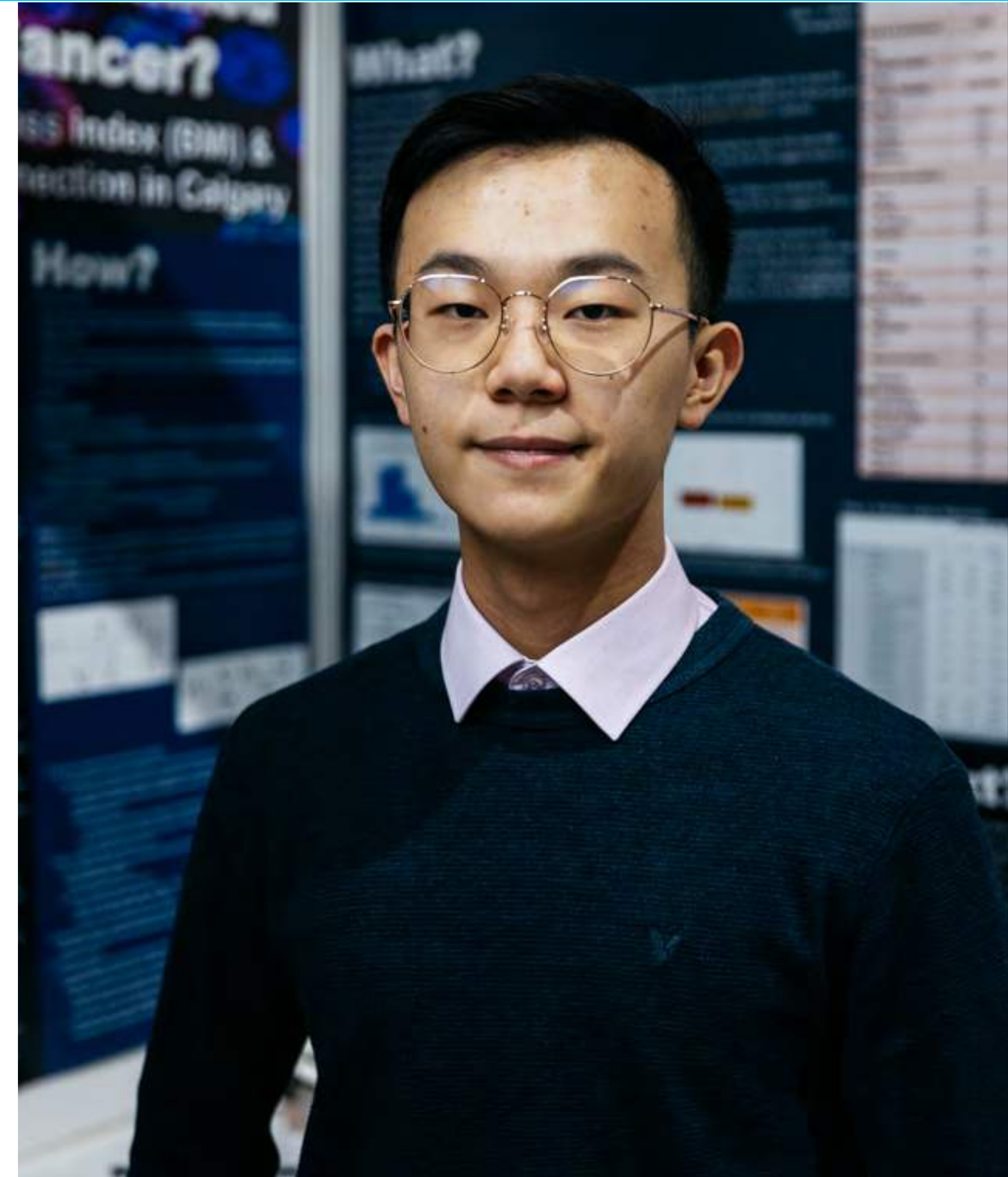
Prix d'excellence - bronze

Senior / Sénior

Joshua Chow

**How Your Weight Could Be Putting You at Risk: Unraveling the Link
between BMI and Colorectal Adenomas**

Calgary Youth - Alberta



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Maria Chzhen

Comparison of Regression Algorithms in Multivariable Drought Modeling and Analysis

Bay Area - Ontario



Excellence Award - Bronze

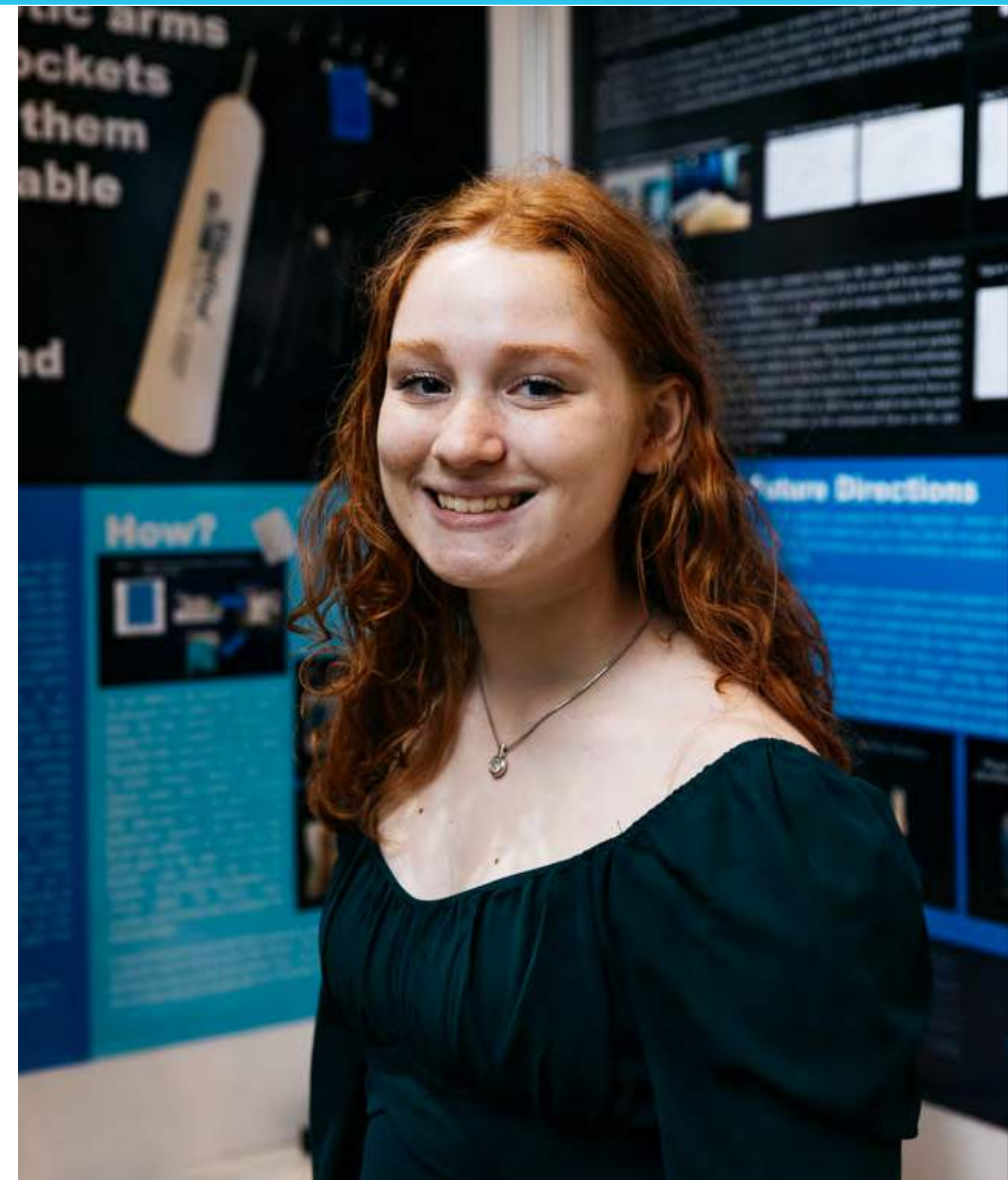
Prix d'excellence - bronze

Senior / Sénior

Emma Coakley

Inflatable Pouch Motors in Upper Limb Prosthetics

South-East New Brunswick – New Brunswick



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Julia Dargacz

The Progress Towards the Synthesis of Silatrane Lipid Head Groups

Niagara - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Sietse de Backer

Synced Up: Comparing Methods to Scale Synchronized Servers

Prince Edward Island – Prince Edward Island



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Justin Du

Interrsect: Aggregated Note Summarization by Machine Learning

Greater Vancouver – British Columbia



Excellence Award - Bronze

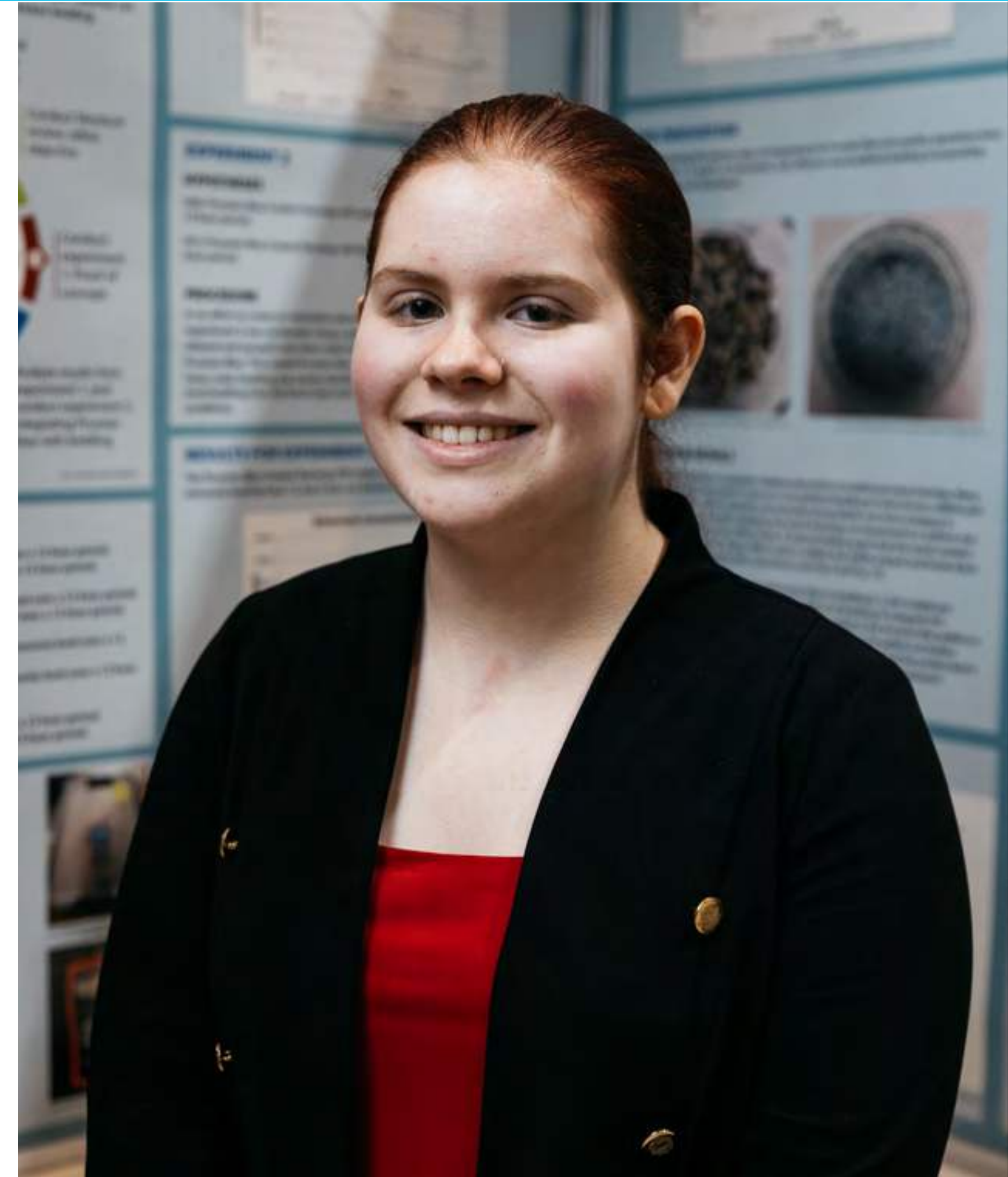
Prix d'excellence - bronze

Senior / Sénior

Mac Dykeman

An Innovative Approach to Ammonia Control in Poultry Operations

4-H Canada



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Ava Haynes

Cyanobacteria

Saskatchewan First Nations – Saskatchewan



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Evan Howells

Flight of the Bumble Bee: Comparing pollen foraging patterns of bumble bees and honey bees in Yukon

Yukon Stikine – Yukon



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Kaleb Hussey

The Effect of Weight Configuration and Load Knowledge on Trunk Motion in Adolescents

South-East New Brunswick – New Brunswick



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Pathomphu Kanapornthada Nutdanai Sunanthakhantharot

SAFEFALL: Fall Detection System using 3D Human Skeleton Model

Thailand



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Jonathan Li

Depressed or Not? Using Large Language Models to Predict Depression from Social Media Posts

Frontenac, Lennox & Addington – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Ziang Li

I.C.: Predict Food Recipe from Image using CNN/Transformer & Knowledge Distillation for Portability

Bay Area - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Liz Krelove
Karys Littlejohns

**Investigating the effects of stimulants and depressants in aquatic pollutants
on *Daphnia magna***

Simcoe County – Ontario



Excellence Award - Bronze

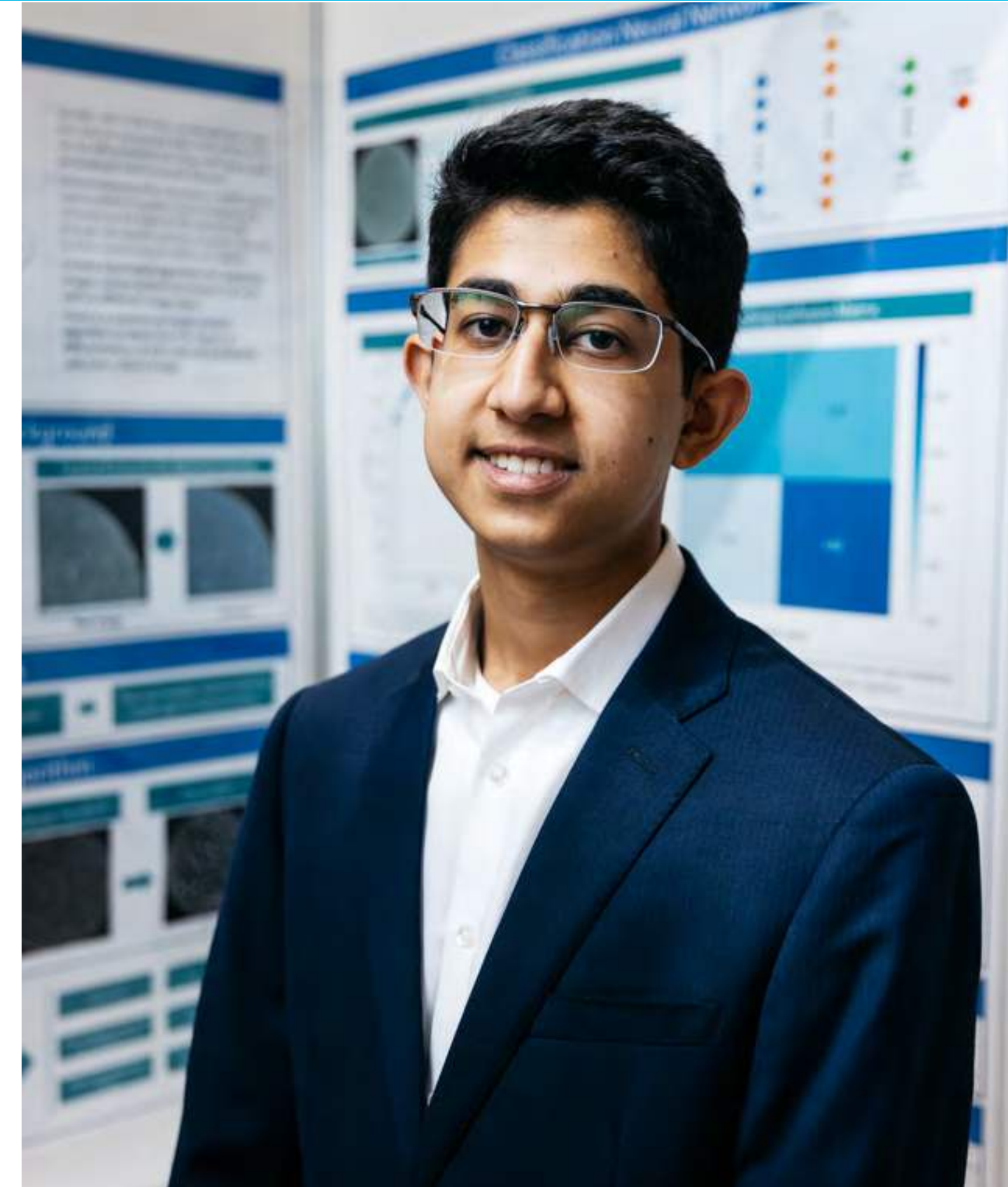
Prix d'excellence - bronze

Senior / Sénior

Shayan Mahmood

**Morphological Characterization of Imaged iPSC-Derived Endothelial Cells
Using Machine Learning**

Thames Valley – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Renzo Masiclat

Cranberries: A Potential Treatment and Prophylaxis Against Urinary Tract Infections

Southeast Alberta – Alberta



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Rylie McGrath

The Moss Pit: Comparing the performance of three moss species local to Saint John on two substrates

South-East New Brunswick – New Brunswick



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Nila Munro
Donell O'Connor

Waste Not, Want Not; Enhancing Nuclear Energy Output

Strait - Nova Scotia



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Anush Mutyala

Energyspike: Pioneering Wireless Mind-Control Implants using Energy-Efficient Neuromorphic Computing

Peel - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Annika Paliwal

A Long-Term Study Using Serious Games to Diagnose and Treat Dementia

Bison – Manitoba



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Ria Patel

The Spark of Life: Exploration of neuromuscular junctions, insulin secretion, and cardiac regulation

Ottawa – Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Misimi Sanni

Emerging Prosthetics: The Novel Development of a Cost-Effective Electronic Prosthetic Arm

Bay Area - Ontario



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Adara Shilling

Plastic Roots

Greater Vancouver – British Columbia



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Jonas Tkacz

Un vaccin informatique: l'utilisation de l'intelligence artificielle pour combattre les virus

Conseil scolaire acadien provincial – Nova Scotia



Excellence Award - Bronze

Prix d'excellence - bronze

Senior / Sénior

Afaq Virk

eECHOlocation: An Innovation to Mitigate Visual Impairment

United Counties – Ontario



Excellence Award - Bronze
Prix d'excellence - bronze
Senior / Sénior

William Rodgers
Rylan Wainman

Steroid Use

Beaufort-Delta – Northwest Territories



Excellence Award - Bronze

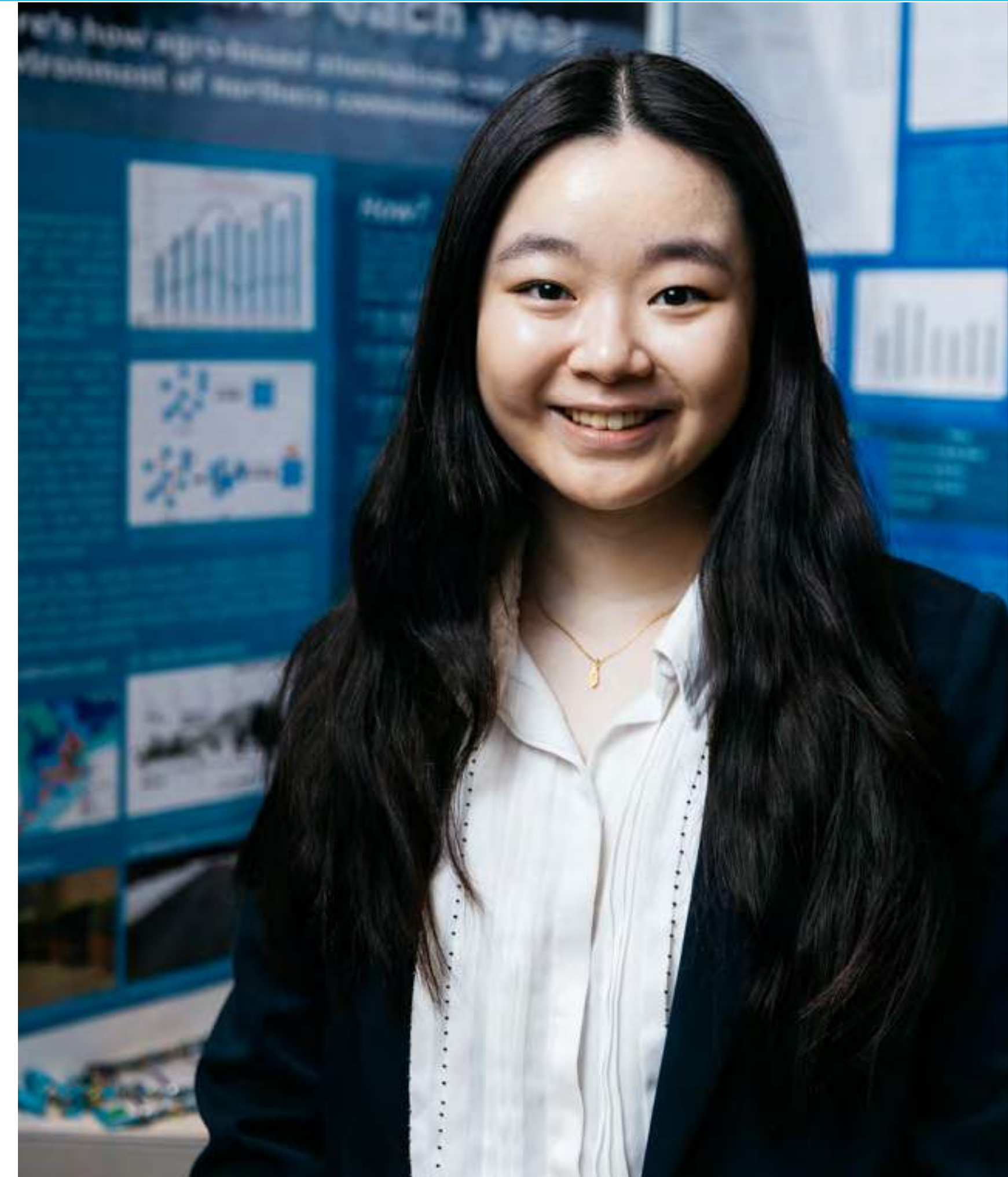
Prix d'excellence - bronze

Senior / Sénior

Errita Xu

Road Salt: Its Implications and Exploring Agro-Based Alternatives

Toronto – Ontario



Excellence Award - Bronze

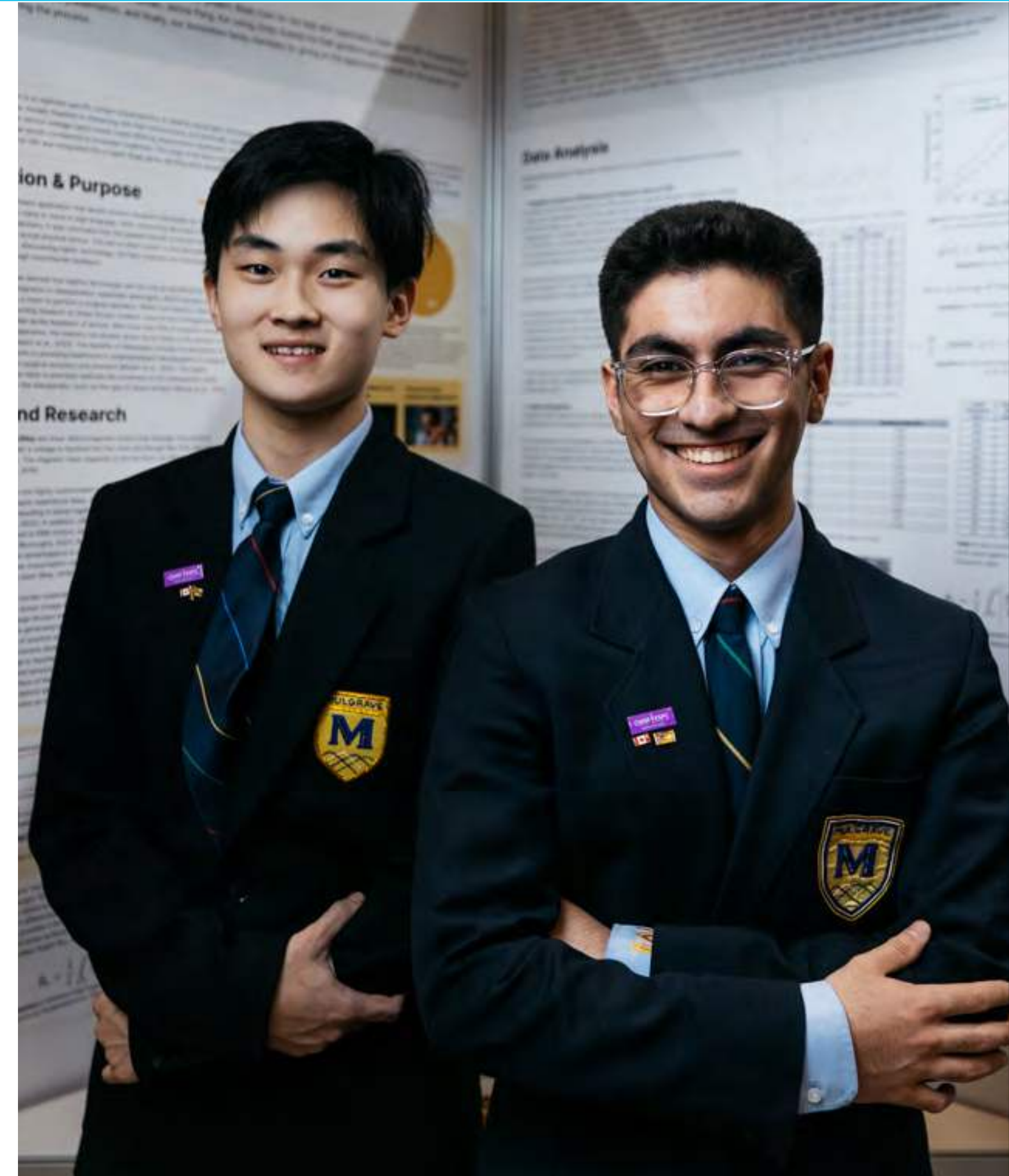
Prix d'excellence - bronze

Senior / Sénior

Rodin Shokravi
Kevin Yuan

**A Novel System: Replicating Materials' Arithmetic Mean Height Using LRAs
& Piezo Elements**

Greater Vancouver – British Columbia



Excellence Award - Bronze

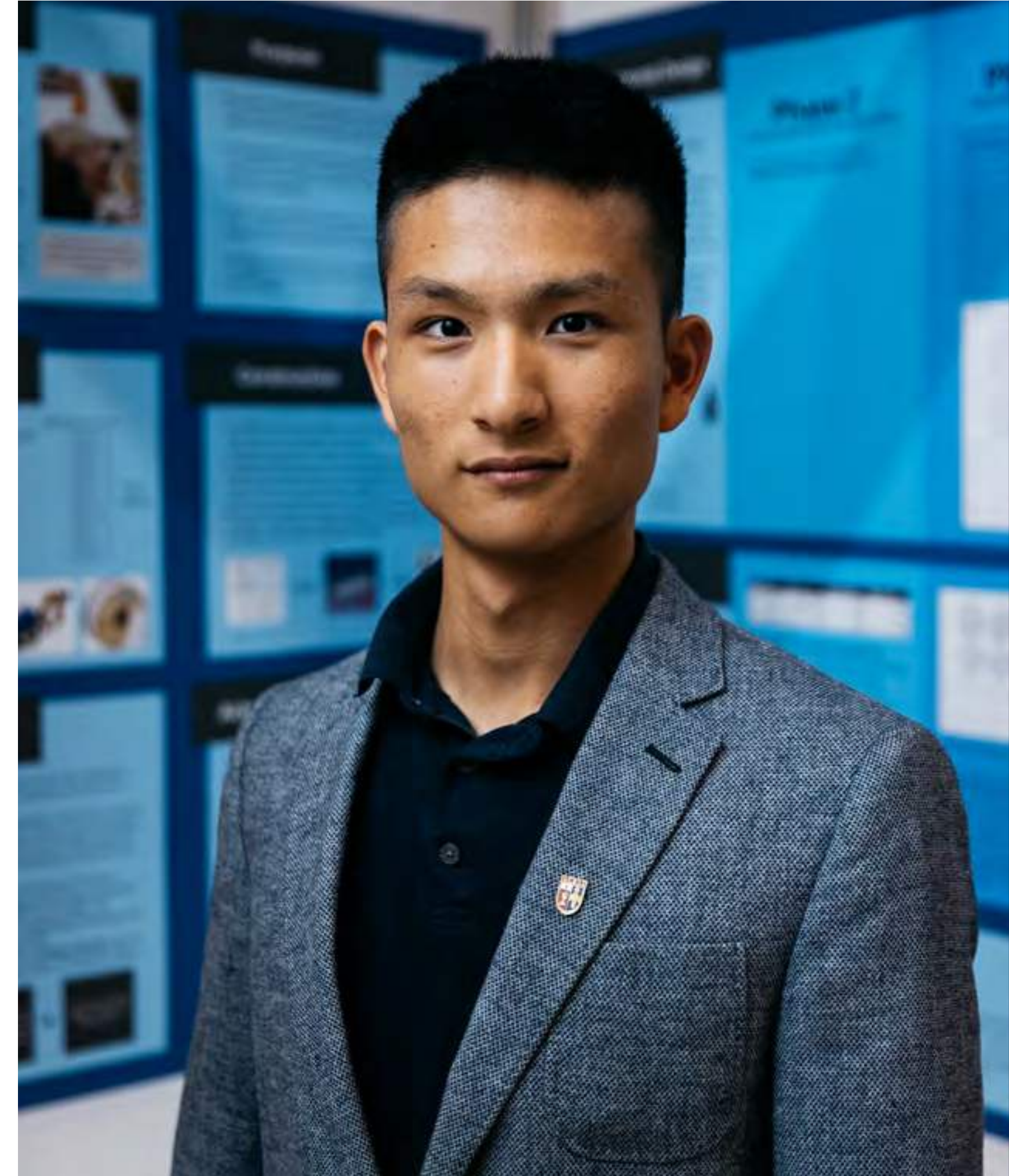
Prix d'excellence - bronze

Senior / Sénior

Aaron Zhao

ExoTremor: A Low-Cost, 3D-Printed Exoskeleton that Suppresses Hand Tremors in Movement Disorder Patients

Greater Vancouver – British Columbia



Excellence Award - Silver
Prix d'excellence - argent
Junior

Patrick Casey

Printer vs. Cinder

Prince Edward Island – Prince Edward Island



Excellence Award - Silver
Prix d'excellence - argent
Junior

Amy Clark

What is radiation?

Manitoba Schools Science Symposium – Manitoba

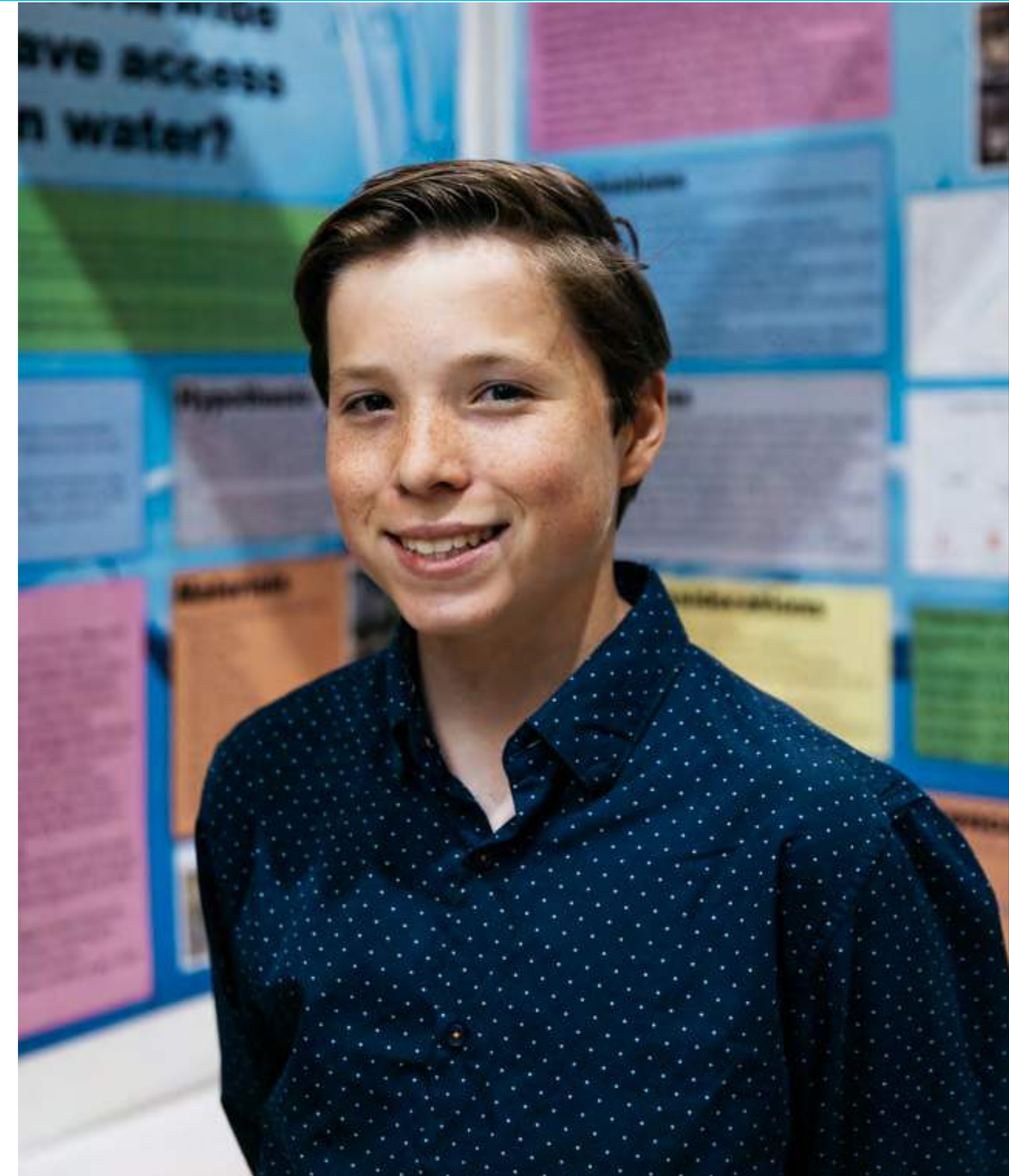


Excellence Award - Silver
Prix d'excellence - argent
Junior

Riley Edmunds

One Drop at a Time: How effective are biodegradable filters?

Lambton County – Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Anthony Efthimiadis

Diagnostic Screening of Basal Cell Carcinoma Cancer With AI

Bay Area - Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Tahlia Feldman

Battery Catastrophe

Simcoe County – Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Ryyan Hammoud

Smart Naloxone Kit

South Fraser – British Columbia



Excellence Award - Silver
Prix d'excellence - argent
Junior

Kathy Han

Hidden Dangers in Plain Sight: Investigating Pathogenic Bacteria in Household Plant Soil

Saskatoon – Saskatchewan

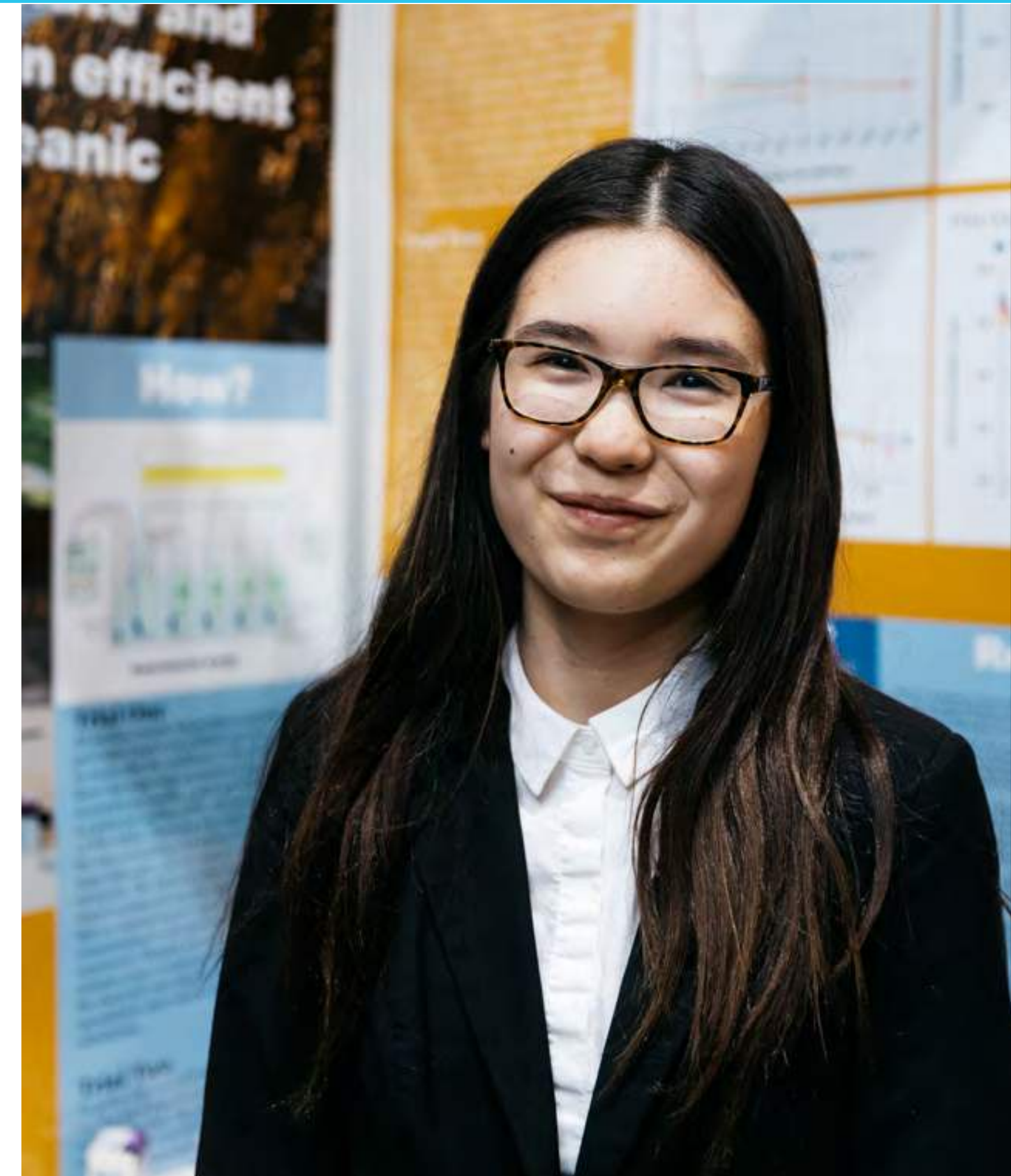


Excellence Award - Silver
Prix d'excellence - argent
Junior

Nara Harvey

A Biological Solution to Phosphate and Nitrate Pollution

Greater Vancouver – British Columbia



Excellence Award - Silver
Prix d'excellence - argent

Junior

Ethan Hon

Carbon Nanotubes and their Applications in Agriculture

York - Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Blake Howes
Madelyn Howes

The Science of Smiles

Bluewater - Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Jacob LeBlanc

**Sustainability Metrics for Consumer Products Using Open-Source Data,
Python and QR Code Technology**

Bay Area - Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Alyssa Morena

Hydrogen Fuel of the Future – Dry Hydrogen Storage

Ottawa – Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Thomas Mullaly
Arthur Queiroz

Can worms be a part of the Styrofoam pollution solution?

Sudbury - Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Cyndi Rayson

Bioremediation to the Rescue: An Environmental Solution to Pollution

Lambton County – Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Madhav Saravanan

Microplastics, Macro Problem

Peel - Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Layla Sawan

GreenGenie Composting System

Thames Valley – Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Aryan Sharma

A Novel Solution to Plastic Pollution

Calgary Youth – Alberta



Excellence Award - Silver
Prix d'excellence - argent
Junior

Sehar Sidhu

ChatGPT is everywhere: Is this AI chatbot a friend or foe?

Windsor - Ontario



Excellence Award - Silver
Prix d'excellence - argent
Junior

Anne Mister **Annabelle Tasset-Scherer**

Gérons le son!

Ottawa - Ontario



Excellence Award - Silver
Prix d'excellence - argent

Junior

Sara Waqas

Can Bioengineering Alter Genetic Mutations and Create Organs Using Stem Cells?

Calgary Youth - Alberta

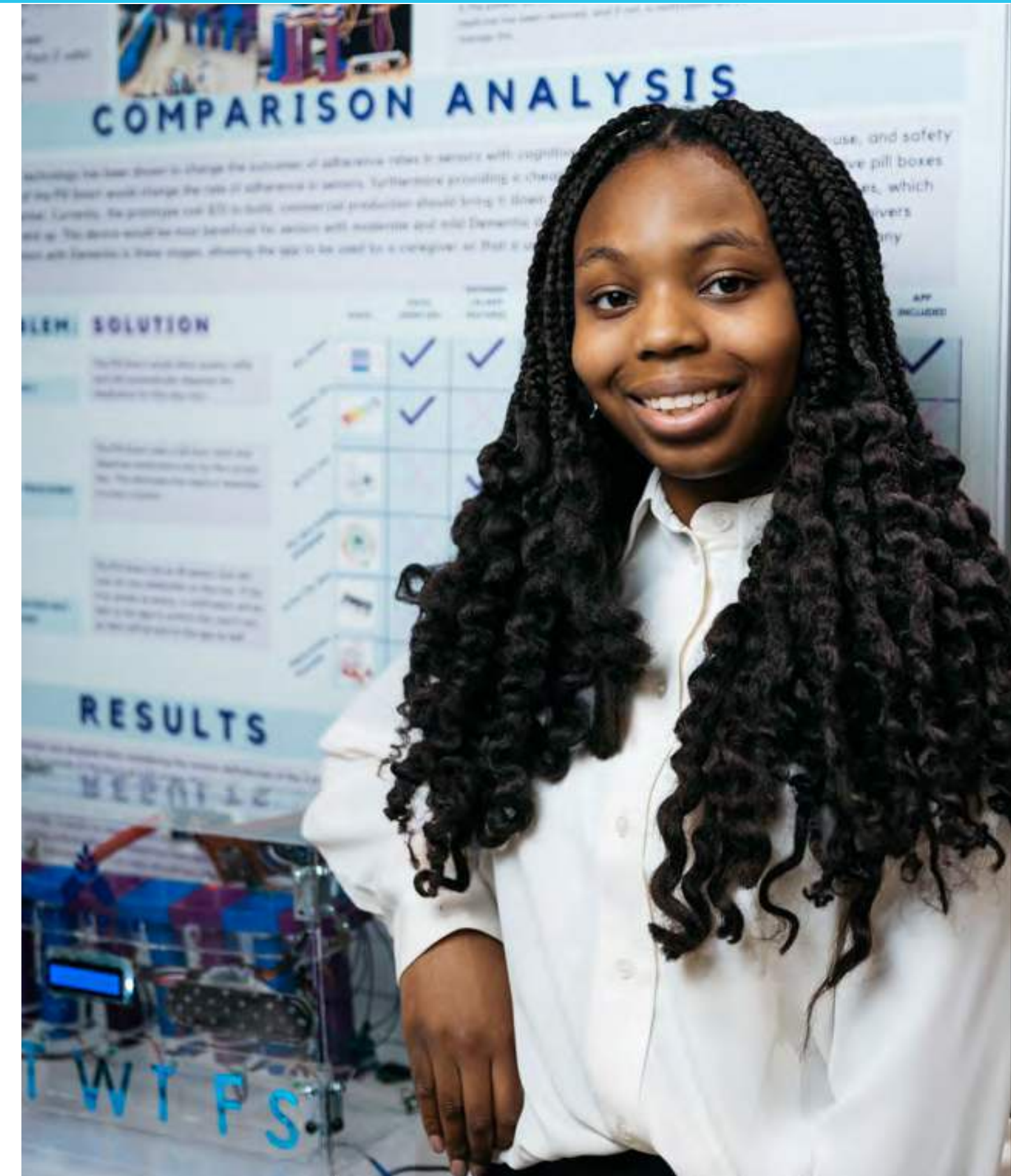


Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Joy Akinkunmi

Pill Smart

Canadian Black Scientists Network Youth

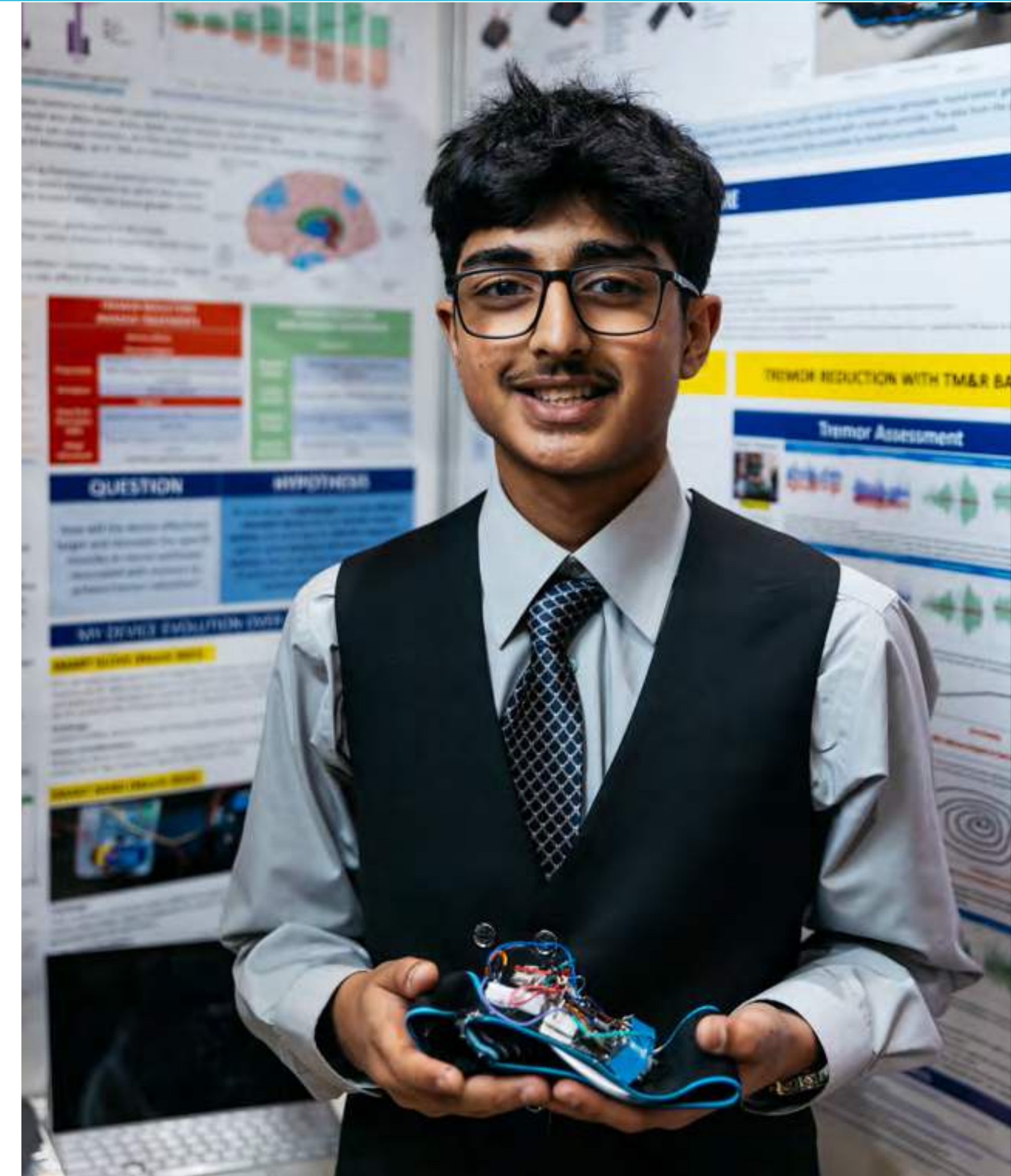


Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Shayan Awan

TM&R Band: Age with Confidence

Wood Buffalo – Alberta



Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Yasmine Ben Arous

Calmos

Réseau Technoscience – Québec



Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Vaishu Bhathala Venkata

MonstorMunch: The Solution To Childhood Obesity?

Saskatchewan Chinook – Saskatchewan



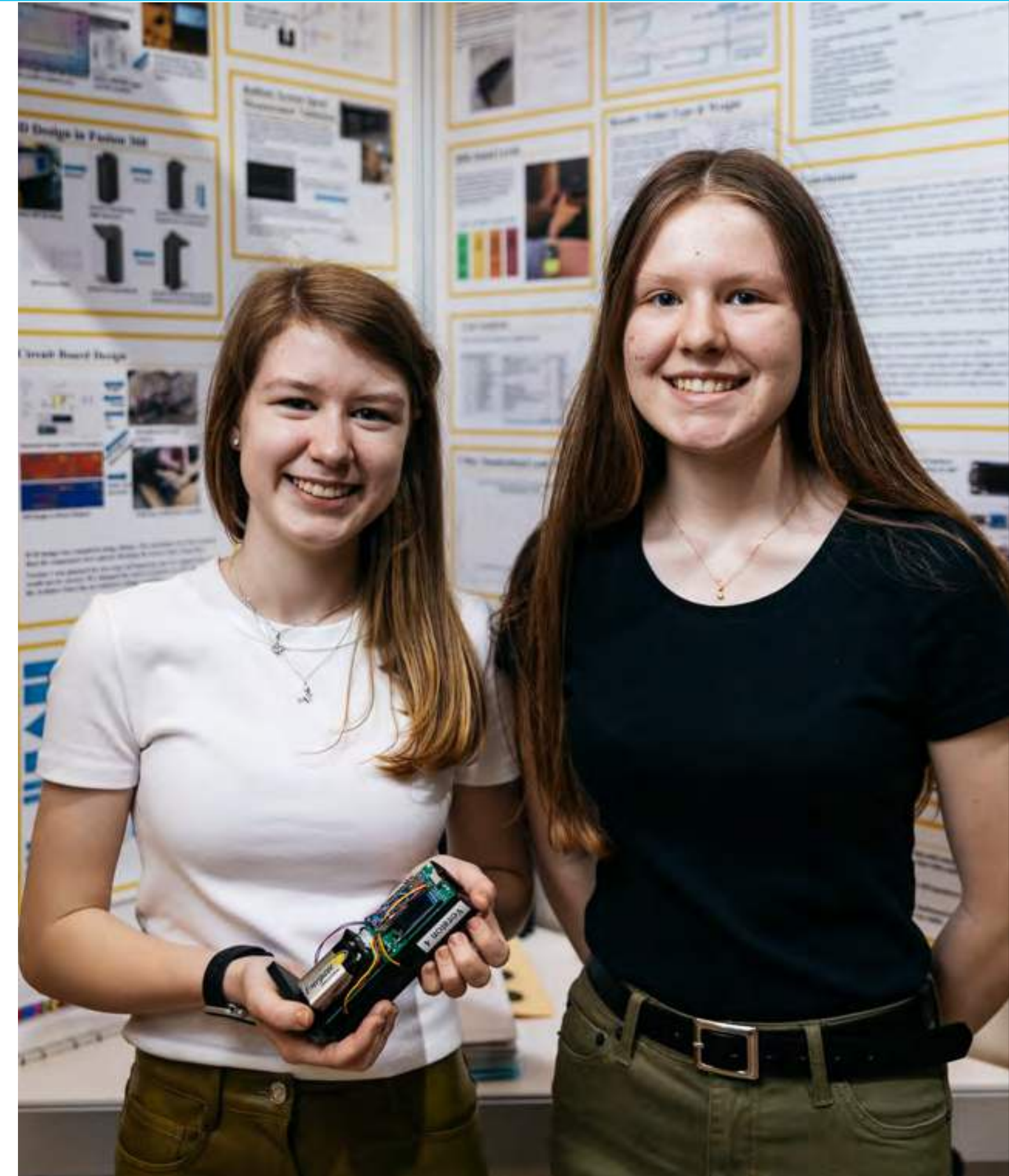
Excellence Award - Silver
Prix d'excellence - argent

Intermediate / Intermédiaire

Chloe Filion
Sophie Filion

The Digital Air Rifle Ballistic Measuring Device

Niagara - Ontario



Excellence Award - Silver
Prix d'excellence - argent

Intermediate / Intermédiaire

Ila Giroux
Kavi Giroux

Drone Assisted Orchard Assessment

Algoma Rotary - Ontario



Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Anqi Guan

Smart Farming: Self-Powered Hydrogel as a Fertilizer for Plant Growth

Manitoba Schools Science Symposium – Manitoba



Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Mateo Jarquin

Need a hand with that?

Réseau Technoscience – Québec

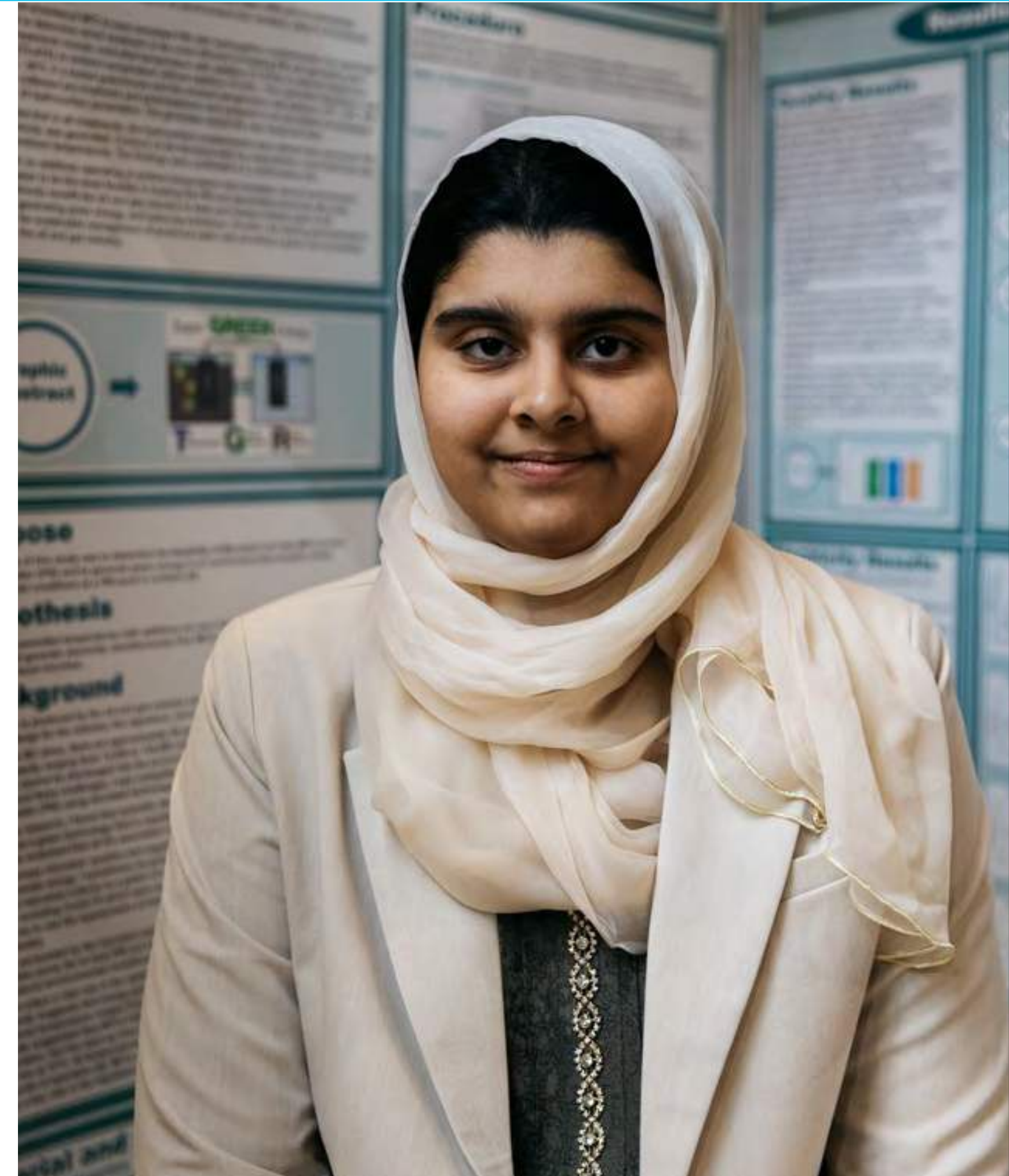


Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Maryam Khanum

Feasibility Assessment of MFC to Treat Oil and Gas Produced Water and Generate Electricity

Northern British Columbia - British Columbia

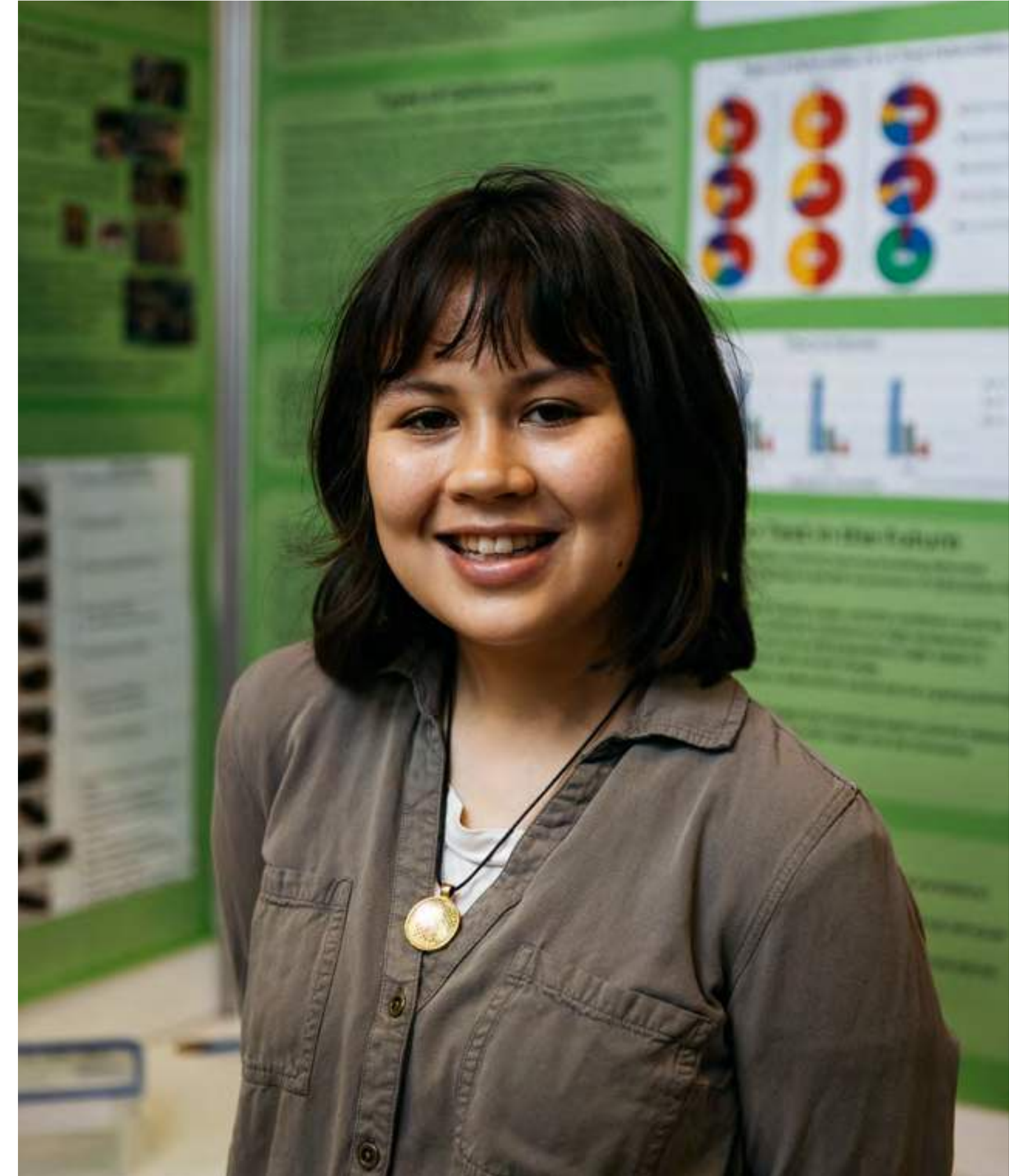


Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Sarah Murimboh

The Effects of Humidity and Temperature on Deformities in *Tenebrio molitor*

Annapolis Valley – Nova Scotia



Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Spencer Pearce

Noise Pollution or Productivity? Investigating the Effects of Sound on Concentration

Western Manitoba – Manitoba



Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Justin Peng

Atmos: A Neural Edge-Cloud Visual to Auditory Spatial Augmentation Device for the Visually Impaired

Greater Vancouver – British Columbia



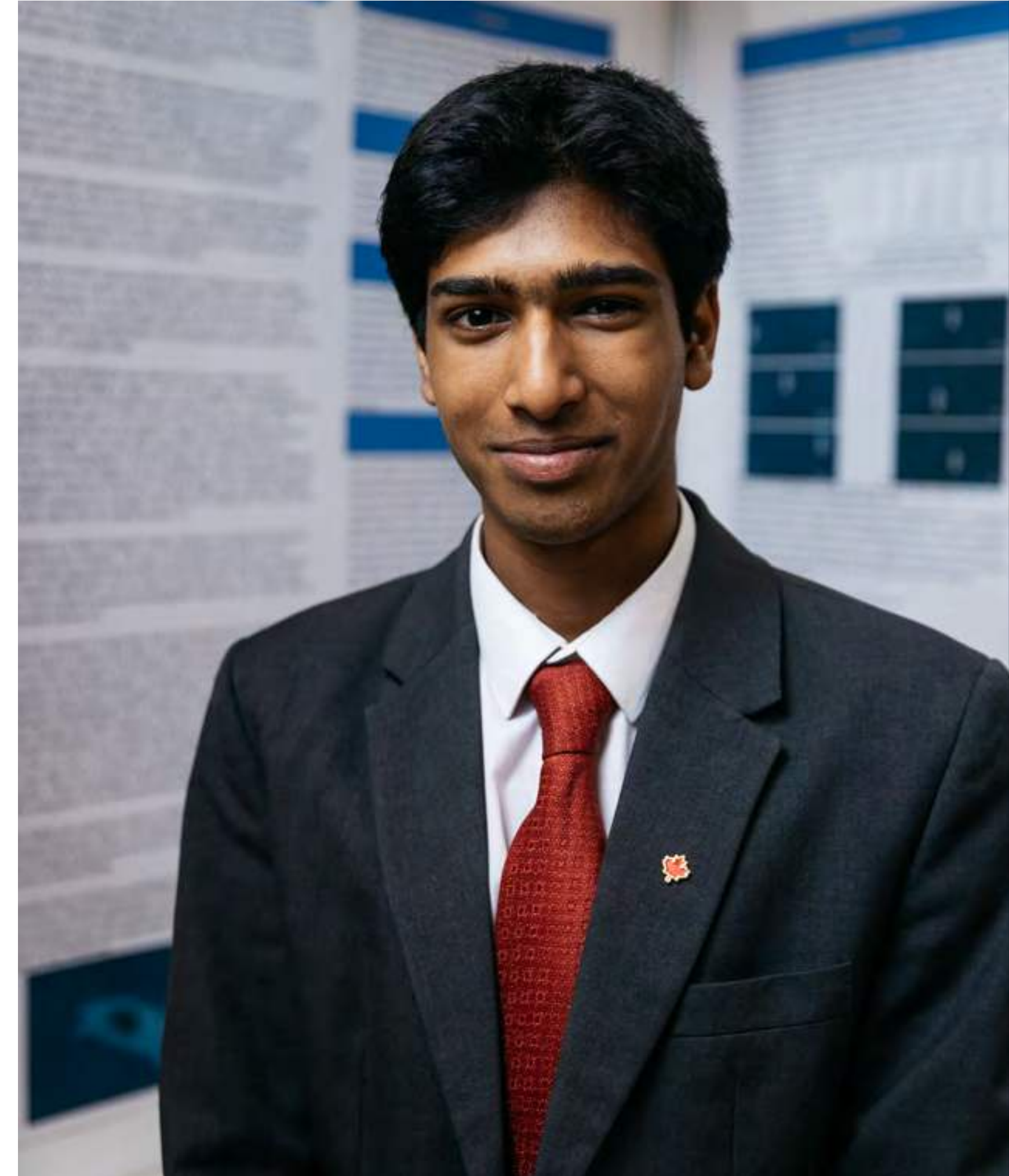
Excellence Award - Silver
Prix d'excellence - argent

Intermediate / Intermédiaire

Kadhir Ponnambalam

Electrotaxis of the Tardigrade Species *Hypsibius exemplaris* in a Microfluidic Environment

Bay Area - Ontario

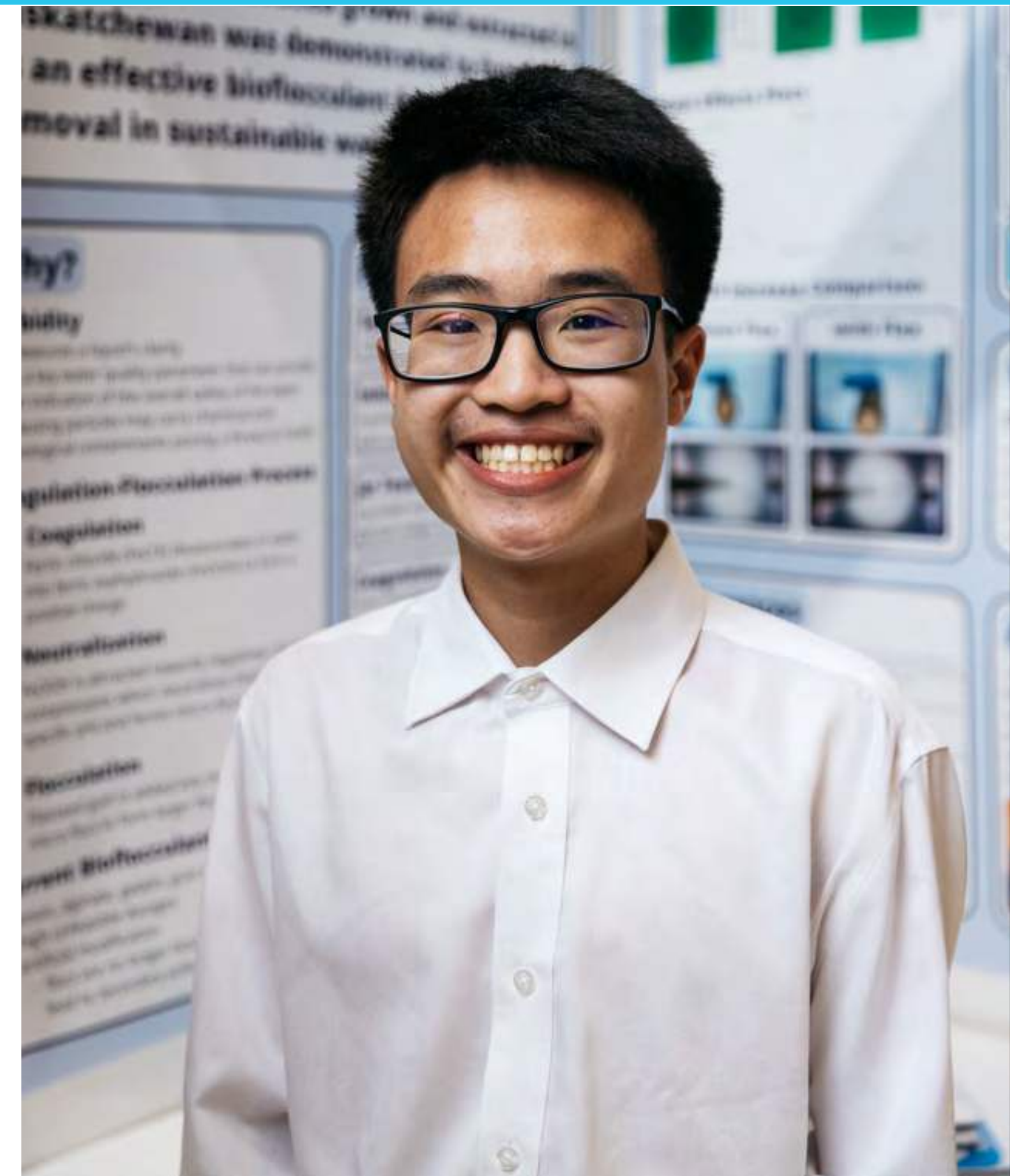


Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Thông Quách

FlaxFloc - A Saskatchewan Plant-Based Material in Turbidity Removal for Sustainable Water Treatment

Saskatoon - Saskatchewan

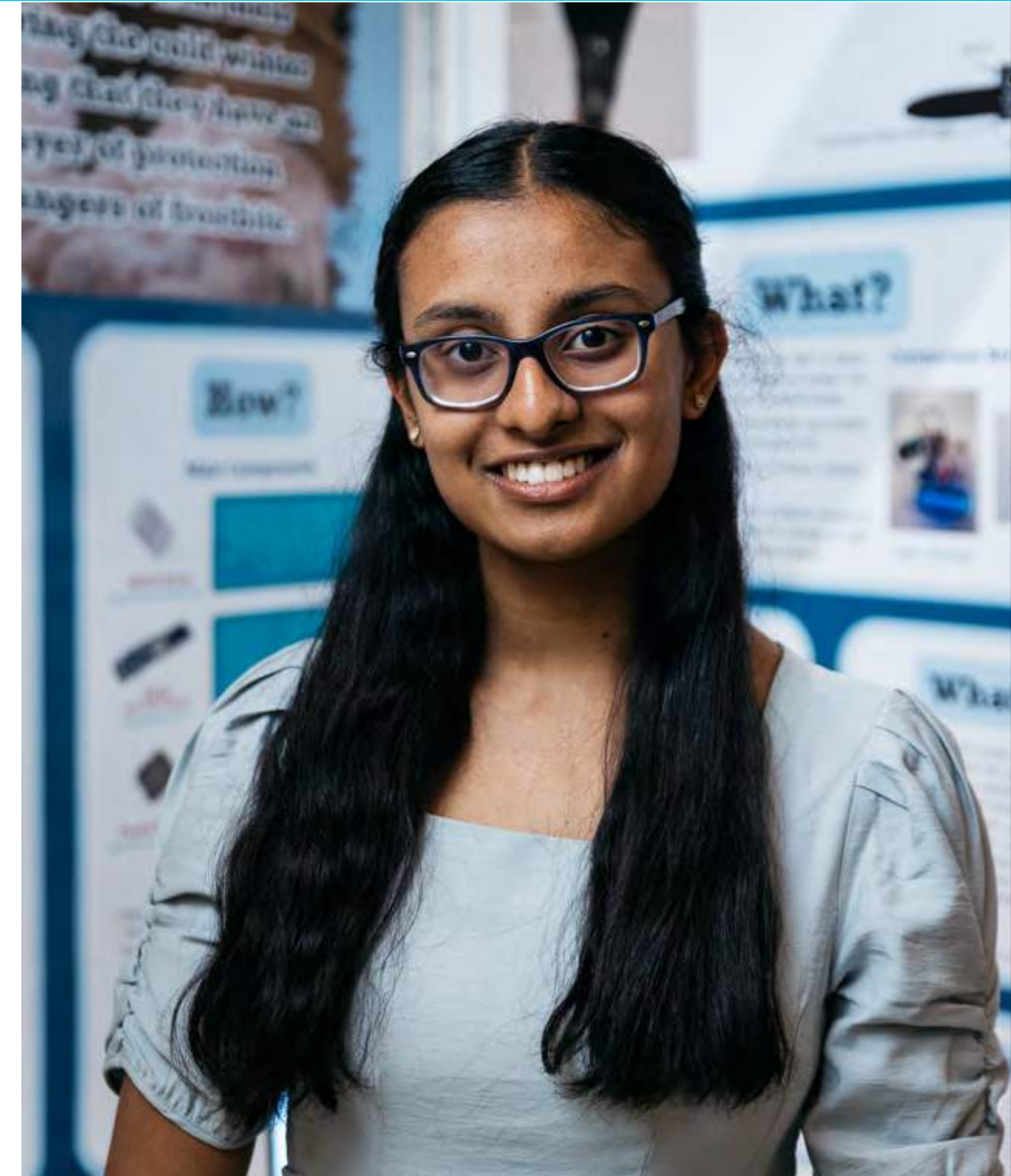


Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Nishka Rai

F.R.O.S.T. – Frostbite Risk Observation & Safety Technology

Wood Buffalo – Alberta

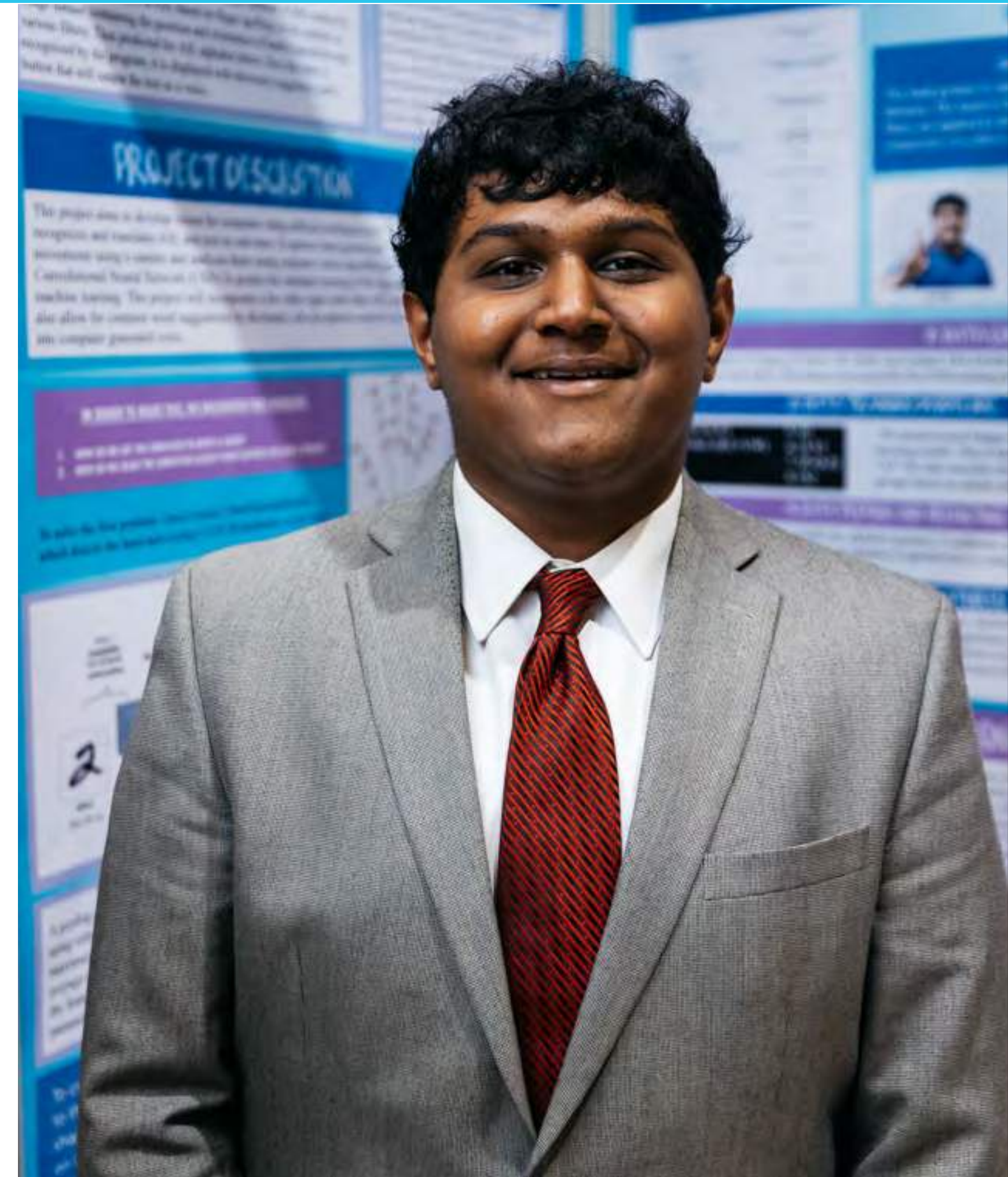


Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Vedant Sheel

A Voice For The Voiceless

Bluewater – Ontario



Excellence Award - Silver
Prix d'excellence - argent

Intermediate / Intermédiaire

Danill Tyurin

The Feasibility and Prototyping of a Mechanical Counterpressure EVA Space Suit

Calgary Youth - Alberta

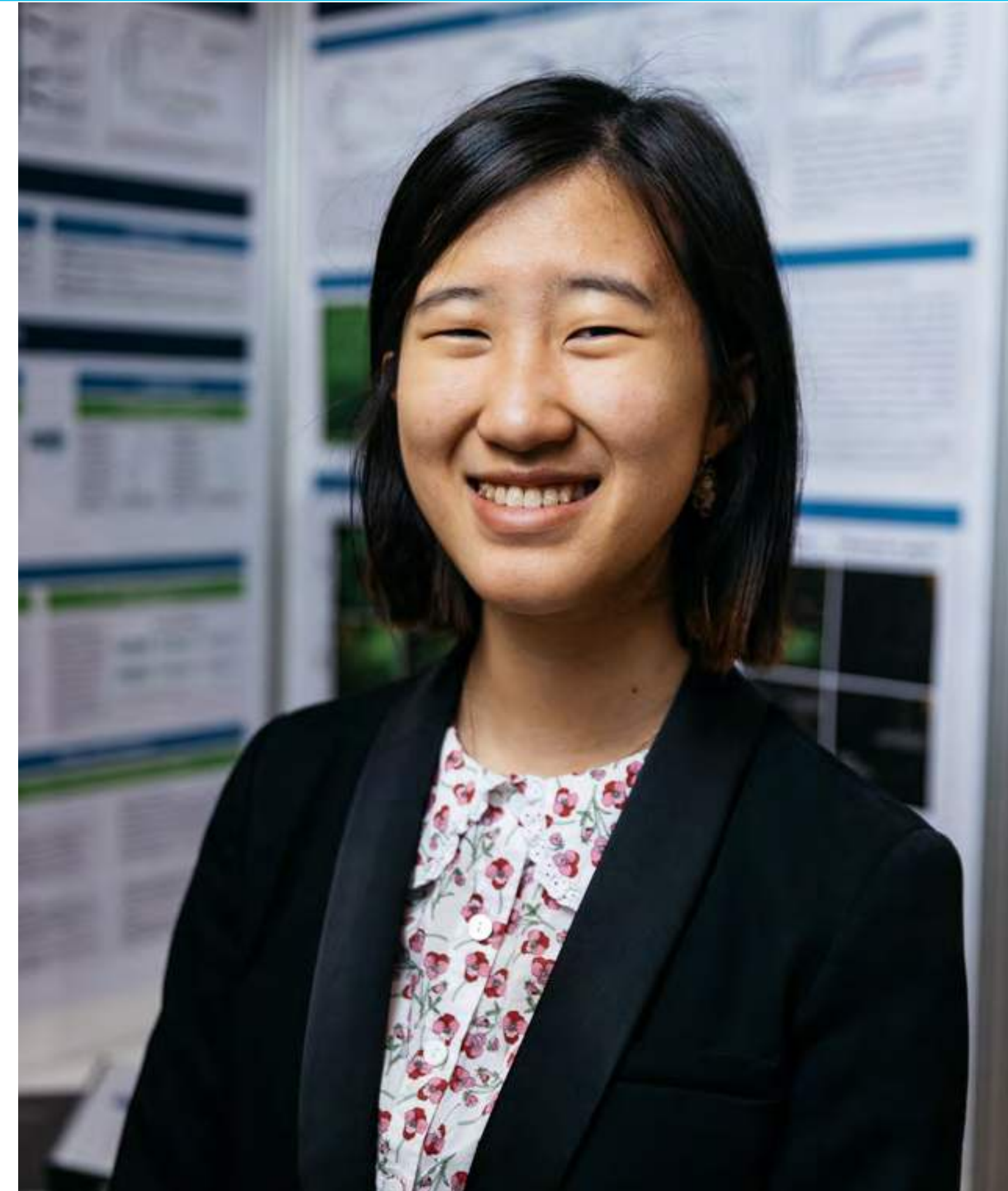


Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Ann Wang

Battling Bacterial Biofilms

Greater Vancouver – British Columbia



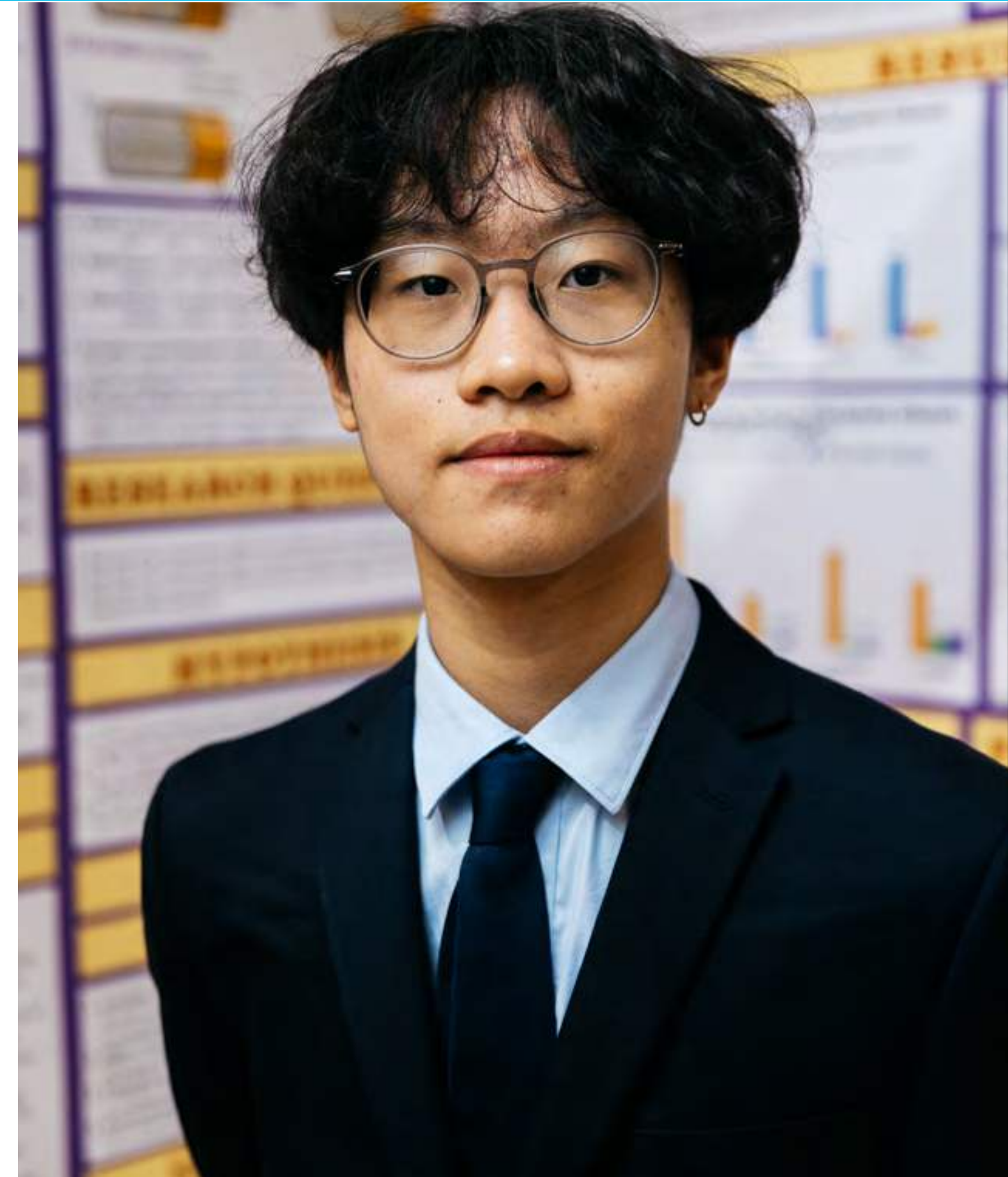
Excellence Award - Silver
Prix d'excellence - argent

Intermediate / Intermédiaire

Justin Yu

Zap the Lead Problem! Cost-effective and Immediate Electrochemical Pipe Scale Accelerator

Fraser Valley – British Columbia

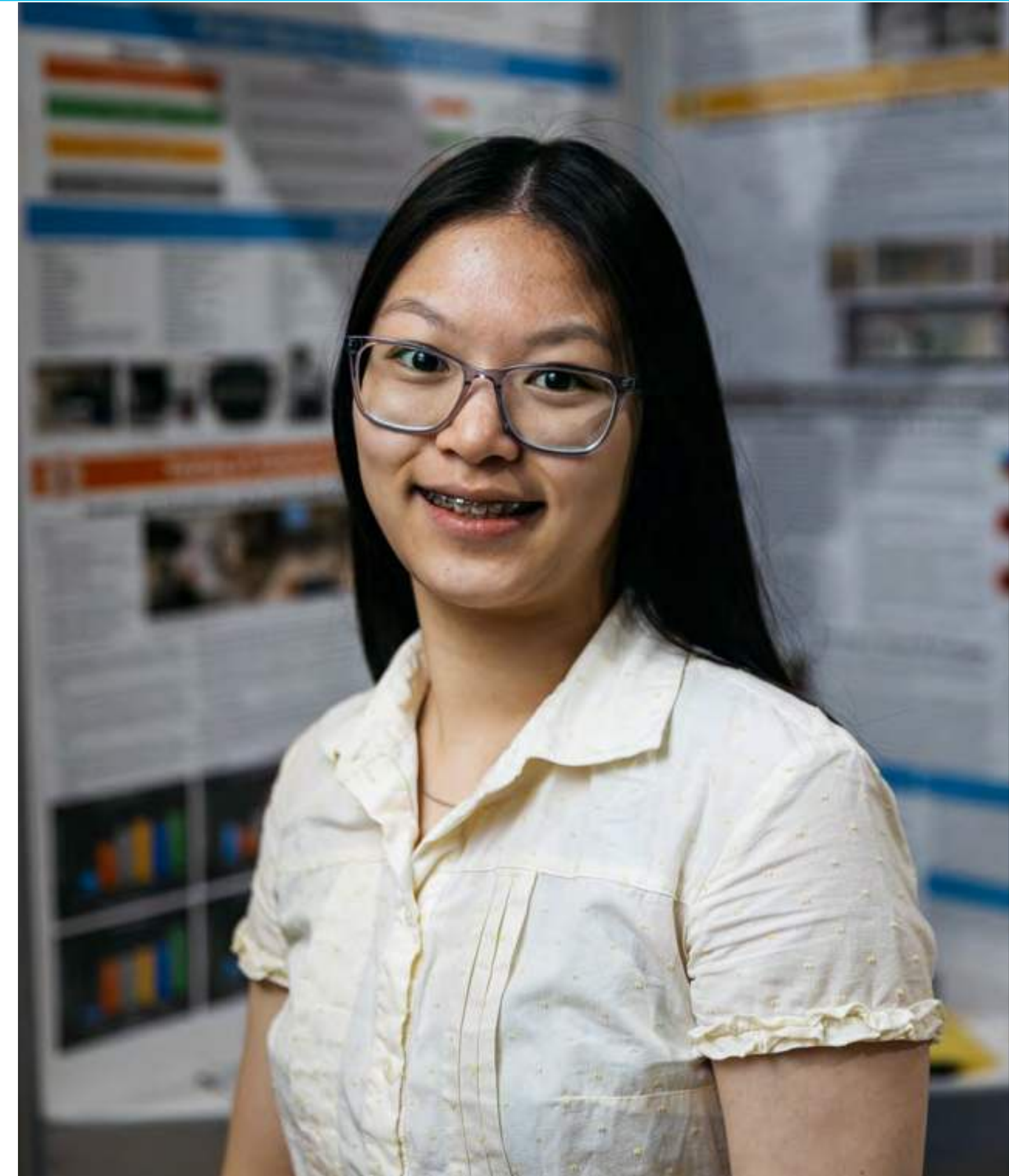


Excellence Award - Silver
Prix d'excellence - argent
Intermediate / Intermédiaire

Sophia Zhang

Triboelectric Nanogenerator for Wind Energy Harvesting

Eastern Newfoundland – Newfoundland & Labrador



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Mariane Angers

Vert Houlo₂ Wh

Réseau Technoscience – Québec



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Nik Artsimenia

The “Helping Hand” Project

Calgary Youth – Alberta



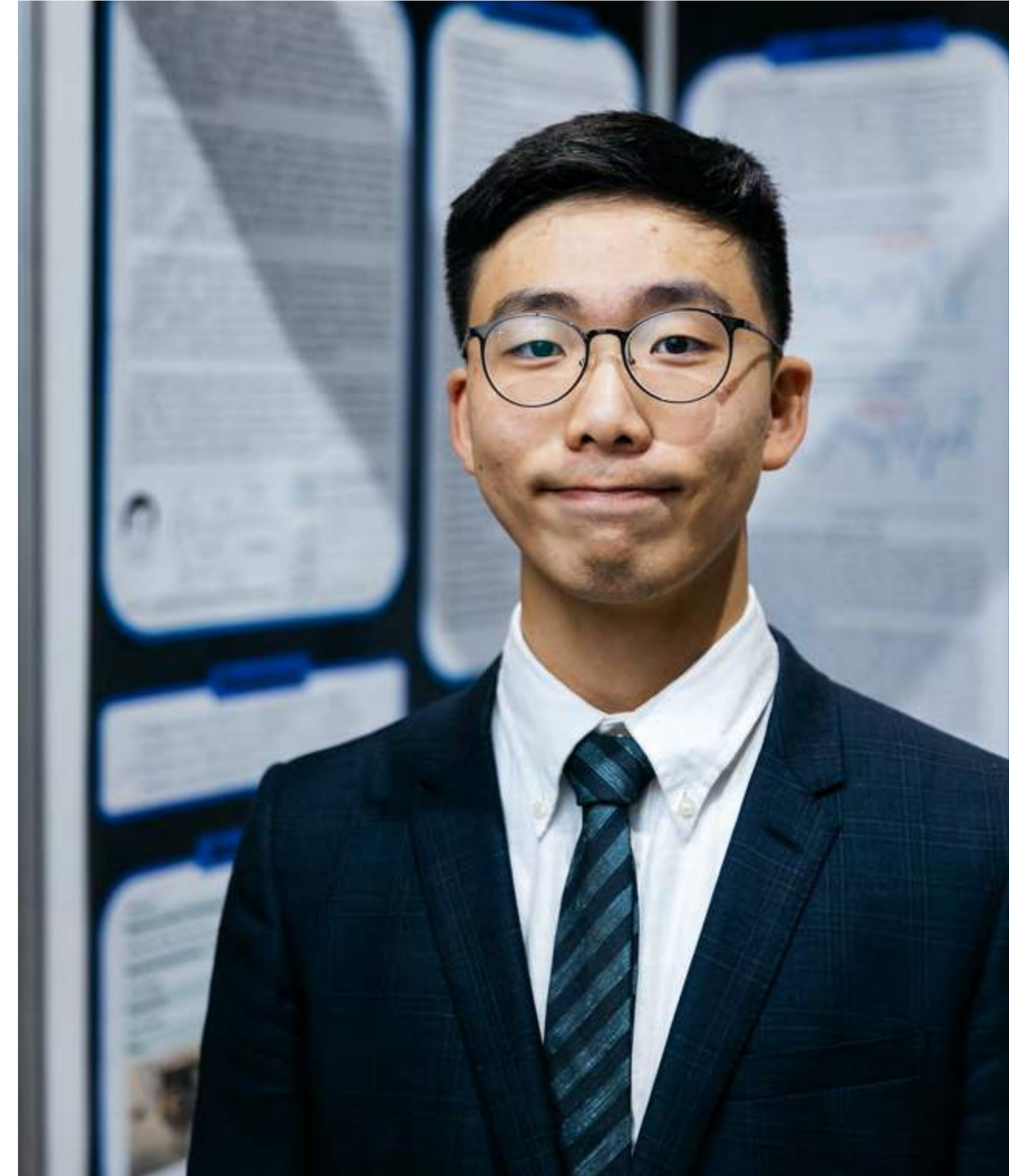
Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Jason Bae

ADHD Treatment: Investigating the Effectiveness of Fine Motor Learning on Frontal Lobe Activity

Bay Area - Ontario



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Sam Bae

Creating bioplastic that promotes the most effective filtration of atmospheric aerosol particles

Bay Area - Ontario



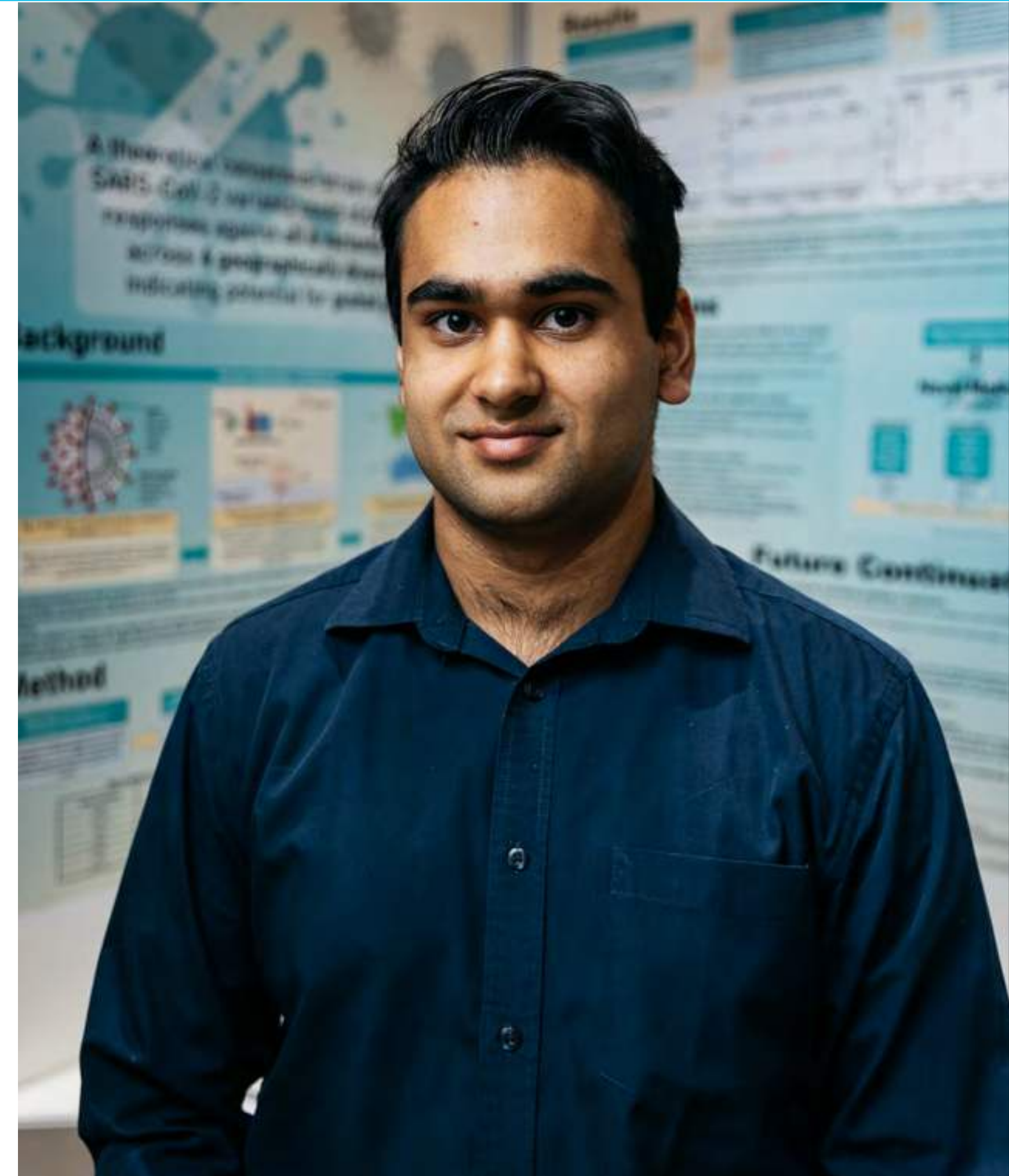
Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Tanish Bhatt

**An Immunoinformatics-based Approach to Identifying a Theoretical Vaccine
Against SARS-CoV-2 Variants**

Eastern Newfoundland – Newfoundland & Labrador



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Keanu Chan

**PRrecision Exospinal Constructive Innovative Stereotactic Evolution
(PRECISE)**

East Kootenay – British Columbia



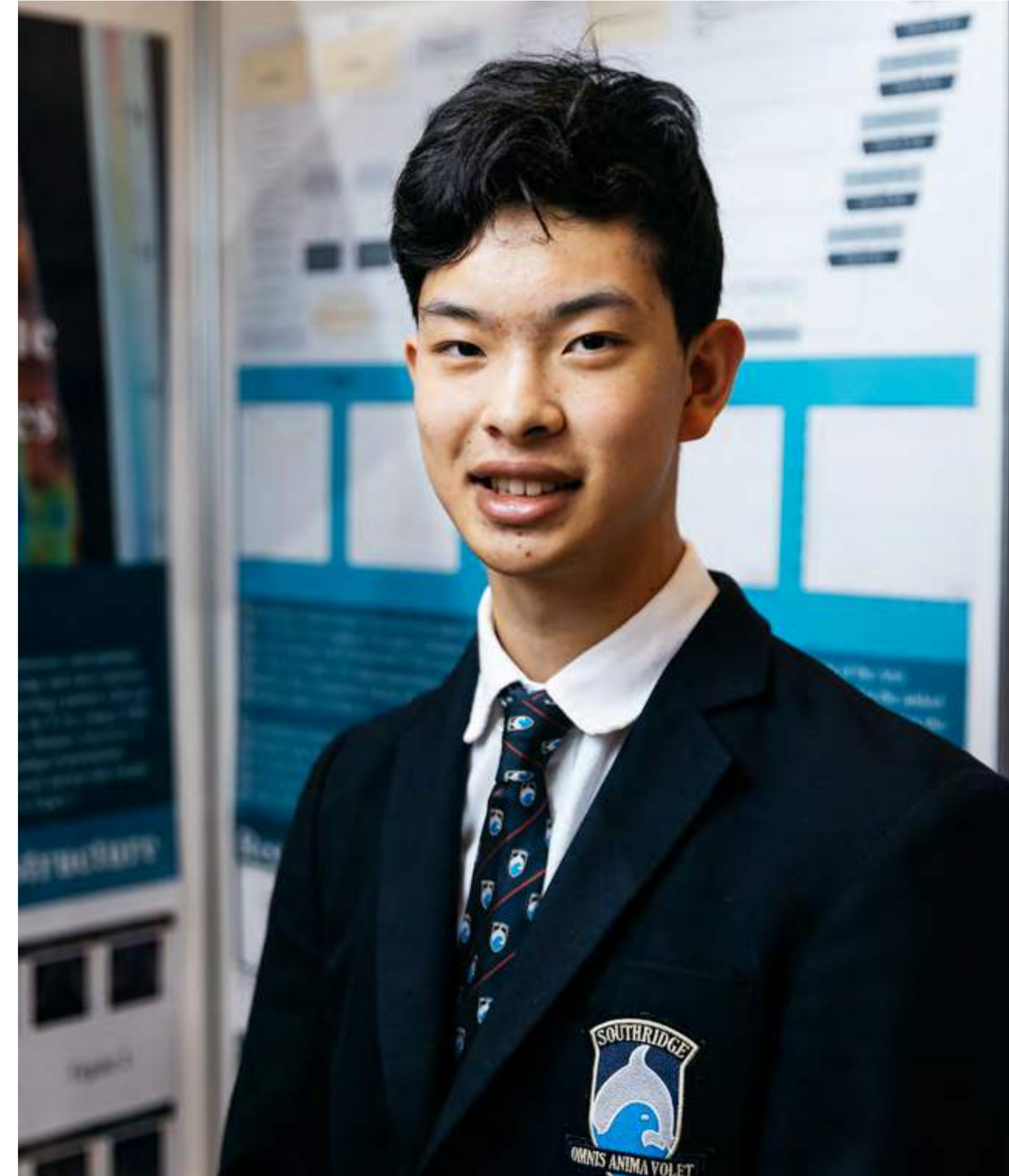
Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Jonathan Gong

COVID-19 Chest X-ray Image Classification and Improved U-Net Segmentation

South Fraser – British Columbia



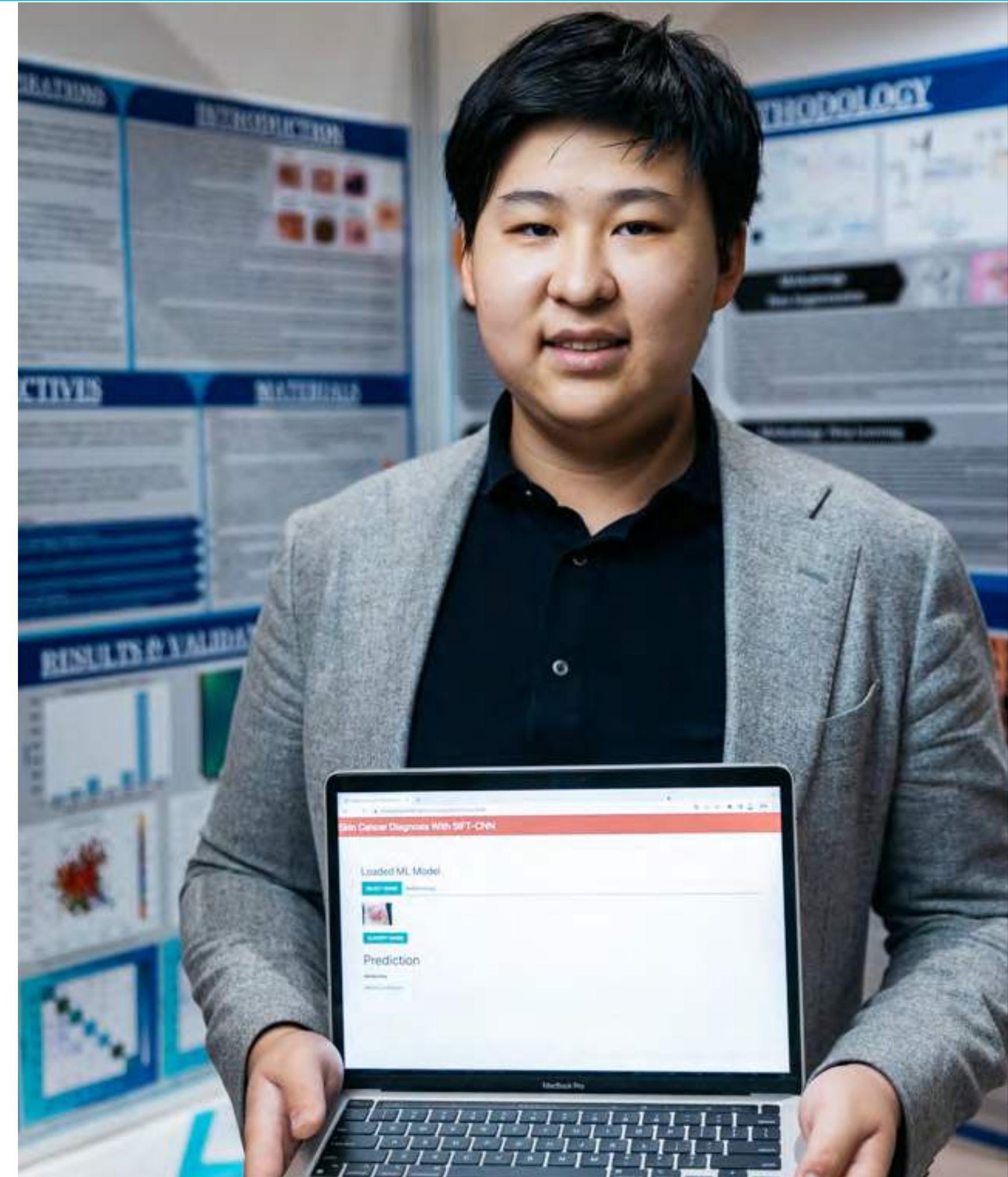
Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Vinny Gu

DermaScan: A Novel Approach to Skin Cancer Classification and Detection Using ML Models

York - Ontario



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Albert Guo

Alzheimer's in 16x16 Words: Transformers for Biomarker-Based Diagnosis

South Fraser – British Columbia



Excellence Award - Silver
Prix d'excellence - argent
Senior / Sénior

Aaryan Harshith

LightIR: An Intraoperative Probe to Enhance Tumour Resections

Sudbury - Ontario



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Graeme Hopkins

**Paleoecology and Geology of a Fossil-Bearing Quaternary Clay Formation
New to Science**

Saskatoon – Saskatchewan



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

William Chiu
Rohit Koneru

Quantum Annealing for Real-Time Reconfiguration of Electrical Grids to Minimize Transmission Loss

Toronto – Ontario



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Daiying Li

**GMCVD: Detecting key gut microbiota to reduce cardiovascular disease risk
for precise prevention**

Toronto – Ontario



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Rebecca Li

Cyrene and Neurodegeneration

Réseau Technoscience – Québec



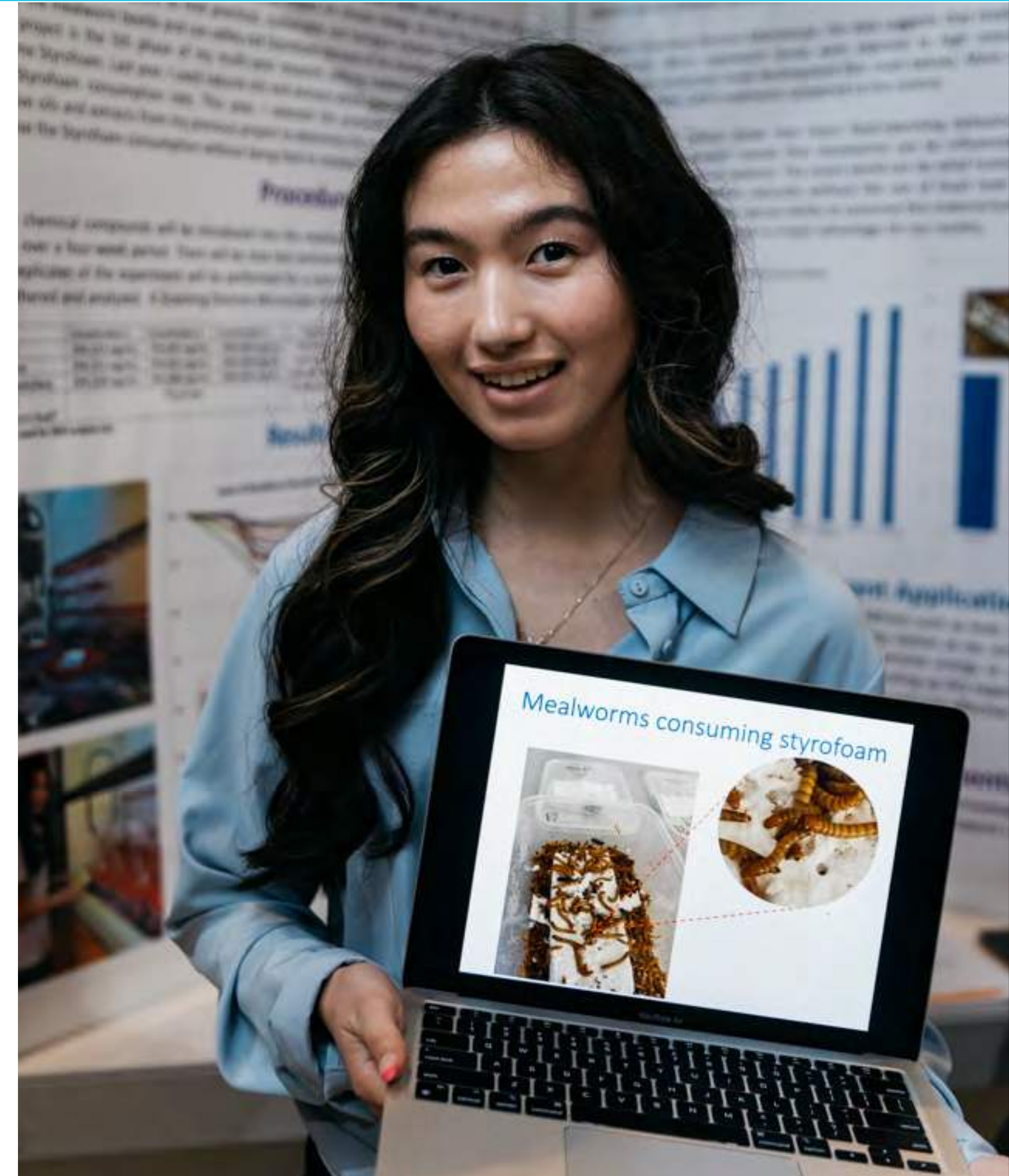
Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Marissa Magsino

Manipulating *Tenebrio molitor* with chemical compounds to maximize the biodegradation of polystyrene

Manitoba Schools Science Symposium – Manitoba



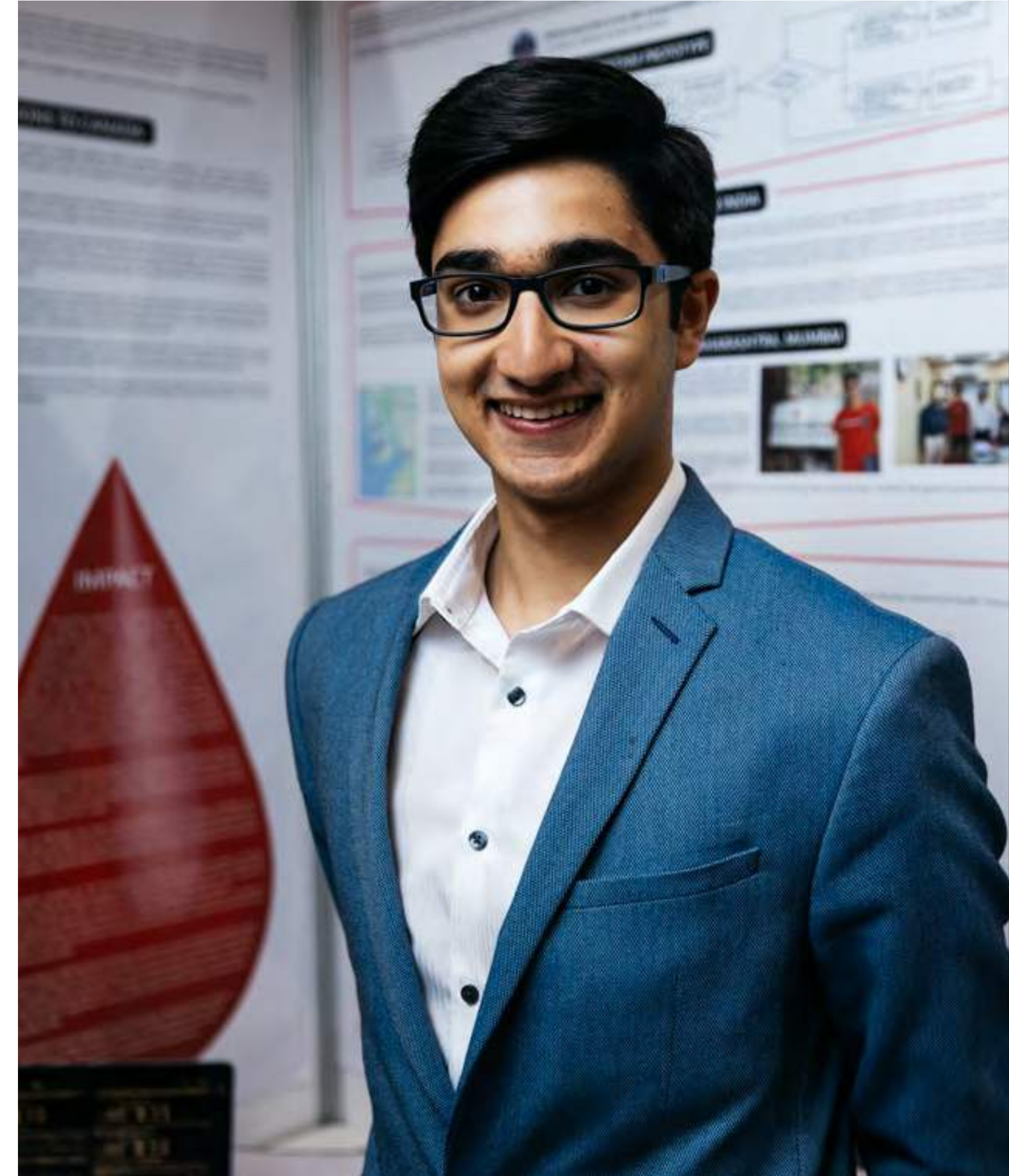
Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Aahaan Maini

Circulate: Designing an Algorithmic Blood Distribution System to Tackle the Indian Blood Shortage

Bay Area - Ontario



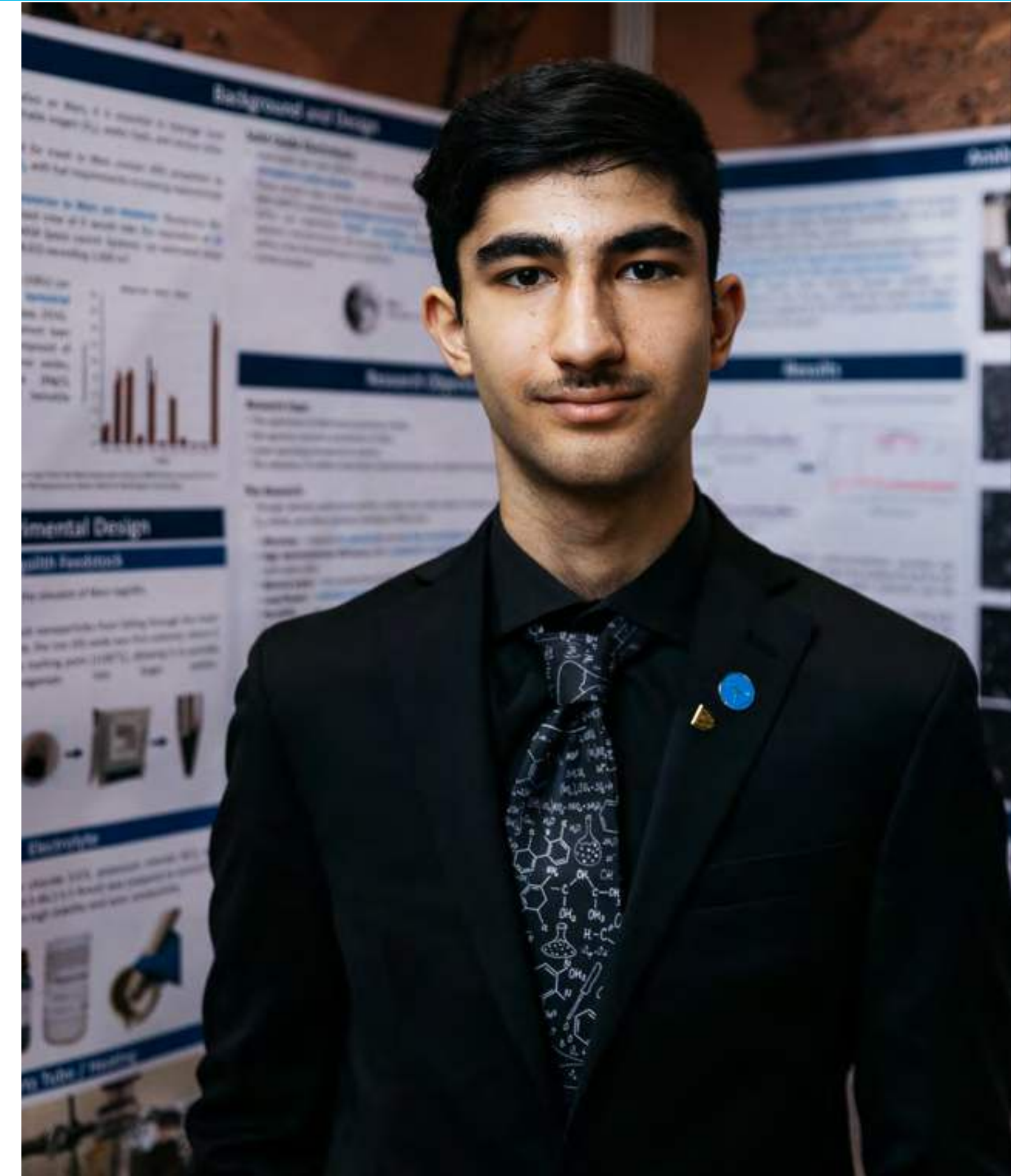
Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Hooman Reza Nezhad

From Dust to Habitation – Molten Salt Electrolysis for the In-situ Reduction of Martian Regolith

Waterloo-Wellington – Ontario



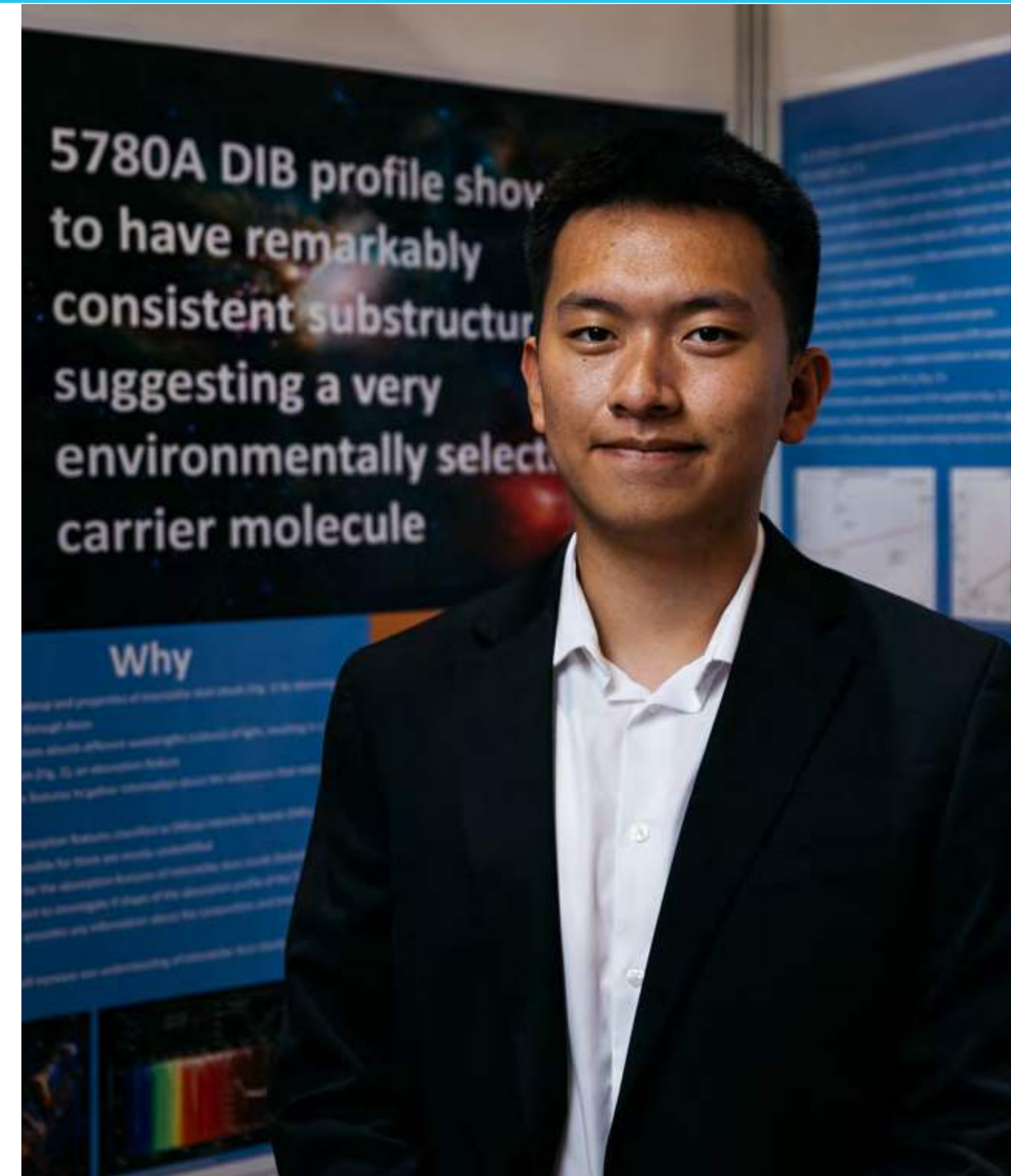
Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Kevin Shao

**Characterizing the Intrinsic Profile and Environmental Variations of the
5780Å DIB**

Thames Valley – Ontario



Excellence Award - Silver
Prix d'excellence - argent
Senior / Sénior

Prabhnoor Sidhu

Mitigating the Effects of Debris Flows: Part Two

Central Interior BC – British Columbia



Excellence Award - Silver
Prix d'excellence - argent

Senior / Sénior

Evan Warburton

The Dual Dipole Radio Telescope

Vancouver Island – British Columbia

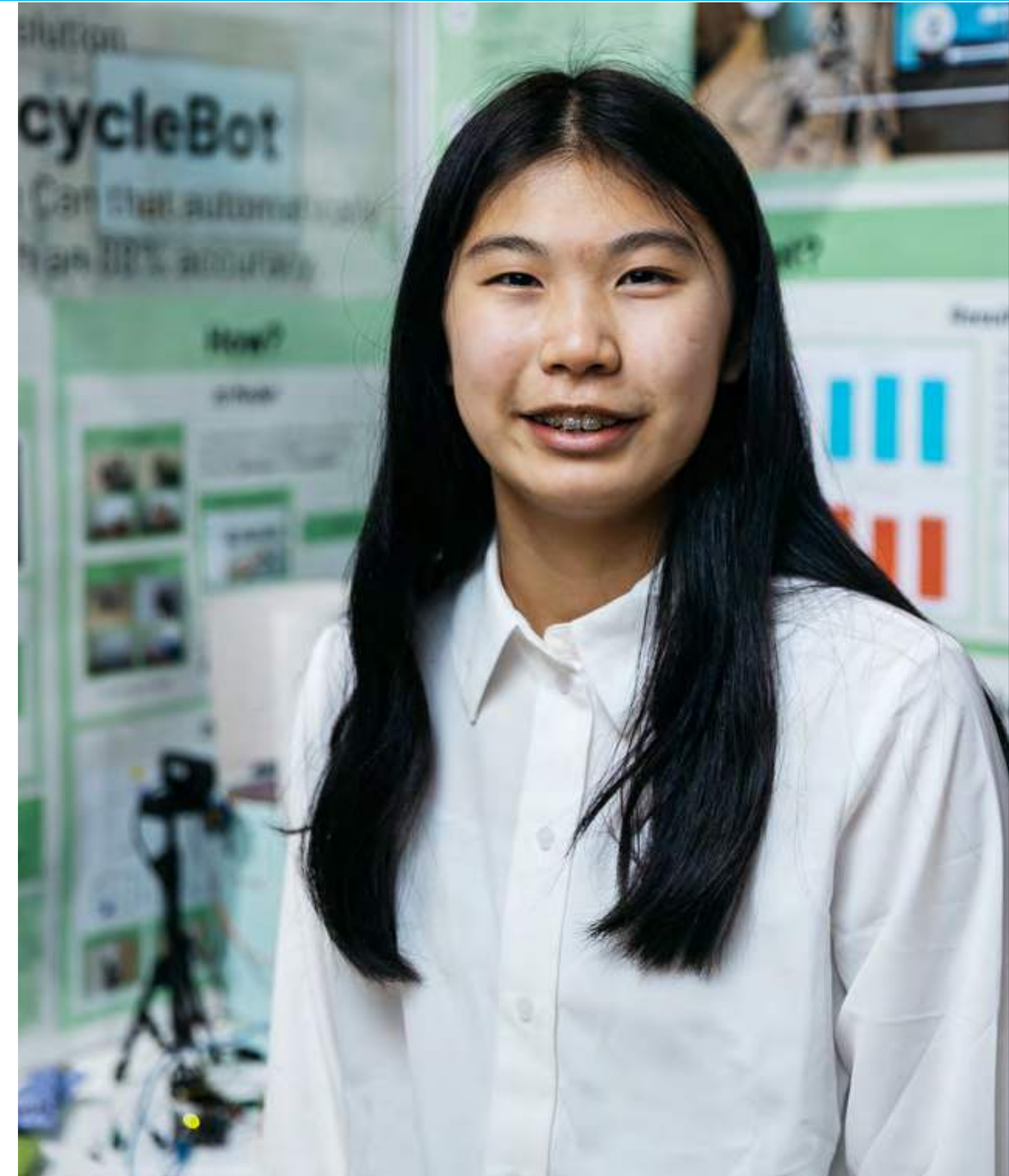


Excellence Award - Gold
Prix d'excellence - or
Junior

Caroline Chan

RecycleBot: An AI Enabled Waste Sorting Trash Can

Toronto - Ontario



Excellence Award - Gold

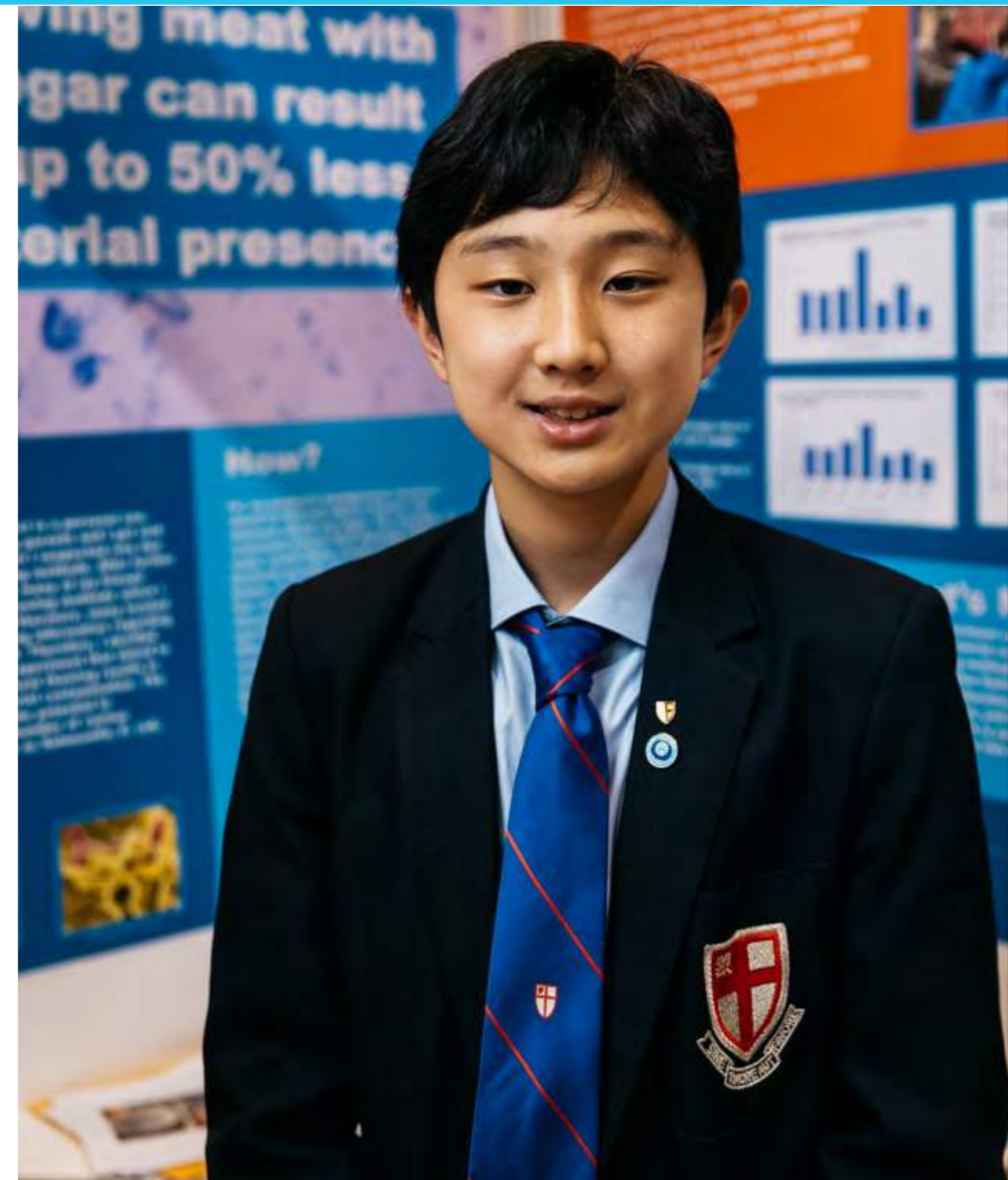
Prix d'excellence - or

Junior

Justin Guo

What Method of Meat Thawing Results in Least Bacterial Contamination?

Greater Vancouver – British Columbia



Excellence Award - Gold

Prix d'excellence - or

Junior

Richard Ilioukevitch

The Rescue Rangers Autonomous Robotic Search and Rescue System

Northwest Saskatchewan – Saskatchewan



Excellence Award - Gold

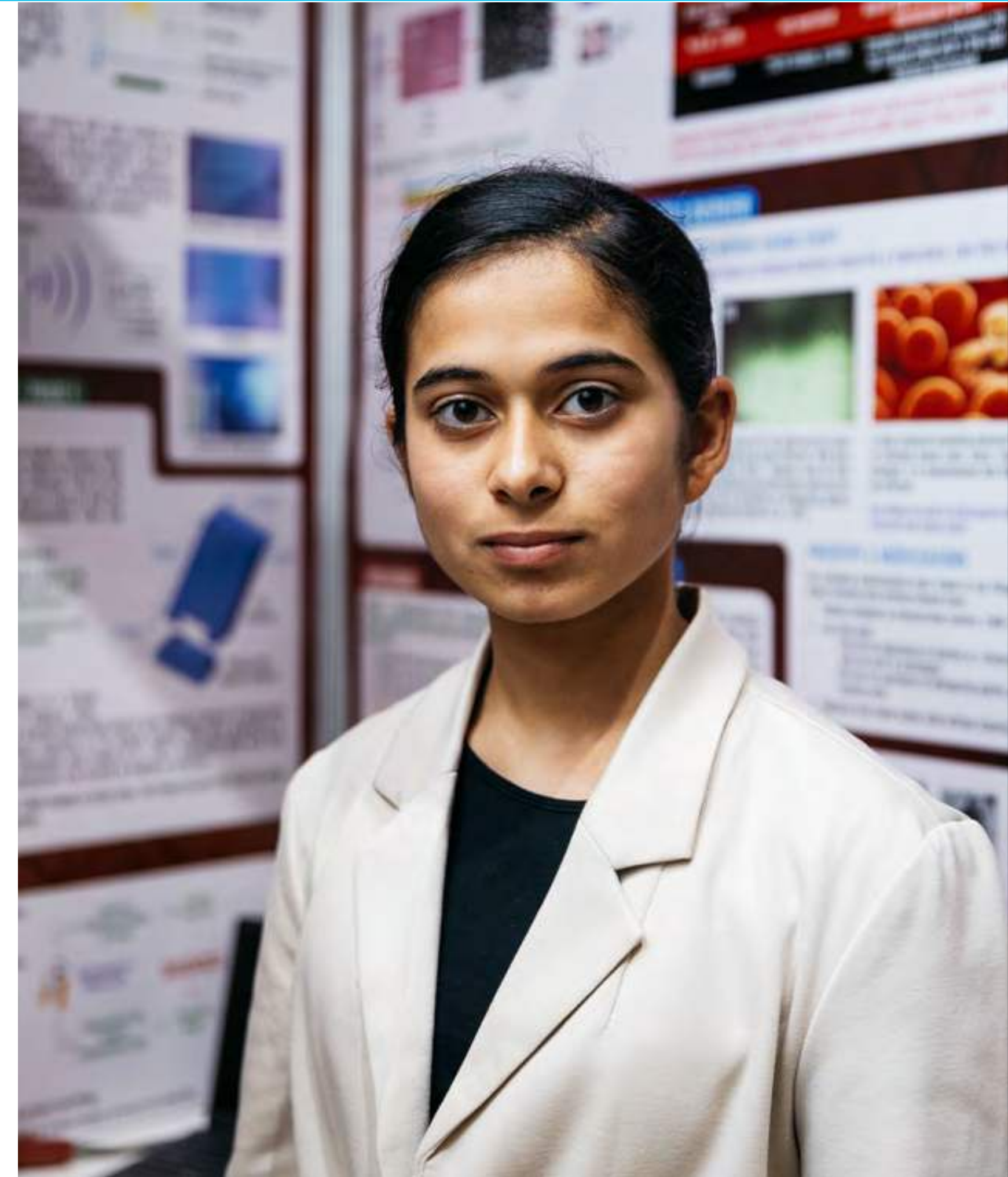
Prix d'excellence - or

Junior

Gurnoor Kaur

MalaScope: A Deep Learning Enabled Lensless Microscope for the Rapid Detection of Malaria

Waterloo-Wellington – Ontario



Excellence Award - Gold
Prix d'excellence - or
Junior

Jordan LeBlanc

Transferring Pollen Using a Mechanical Bee

Bay Area - Ontario



Excellence Award - Gold
Prix d'excellence - or
Junior

Andrei Marti

Sweet Scores

Vancouver Island – British Columbia



Excellence Award - Gold

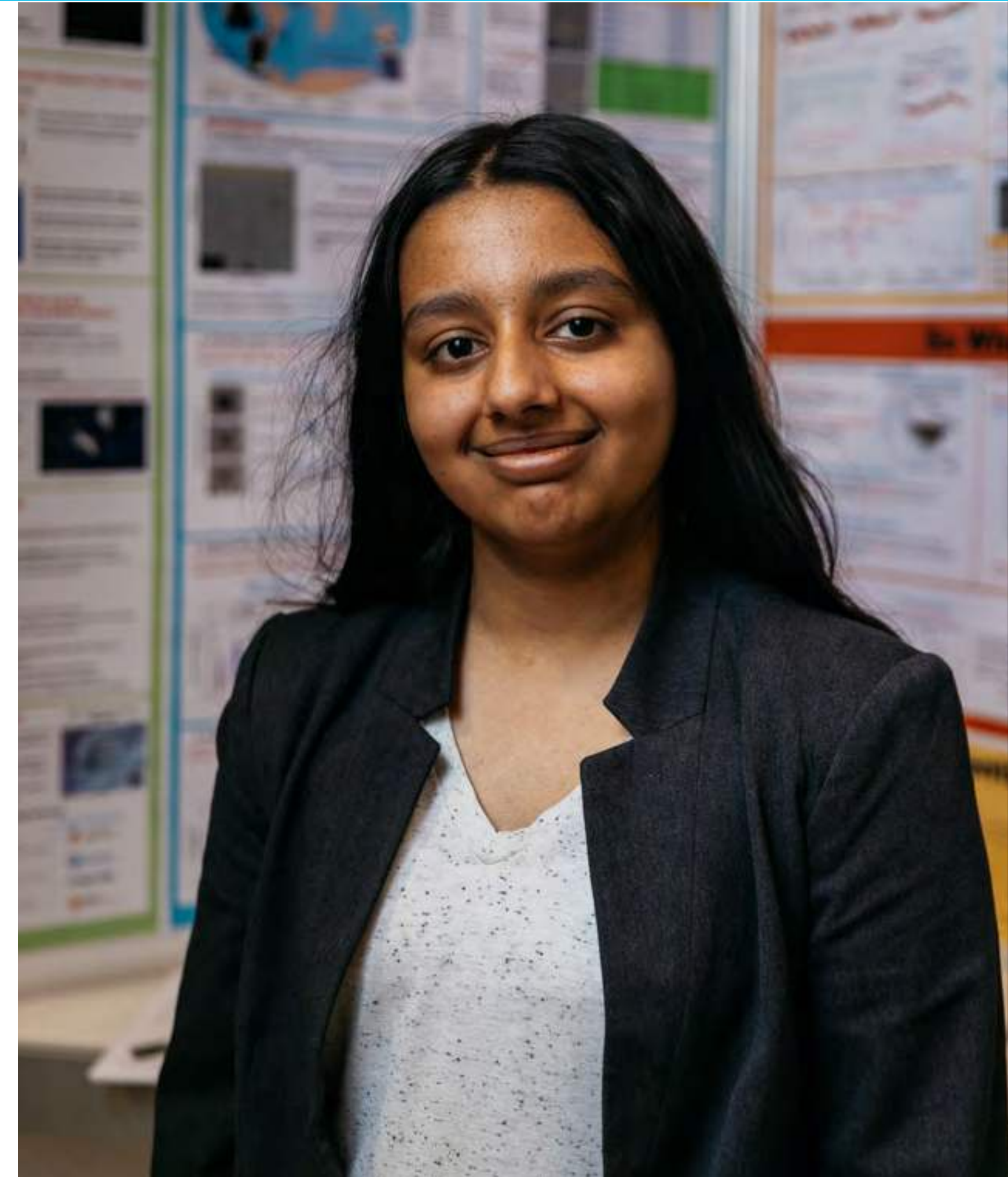
Prix d'excellence - or

Junior

Arushi Nath

Developing algorithms to determine asteroid's physical properties and success of deflection missions

Toronto - Ontario



Excellence Award - Gold
Prix d'excellence - or
Junior

Harry Nickerson

Do You Really See What Eye See?

Halifax – Nova Scotia

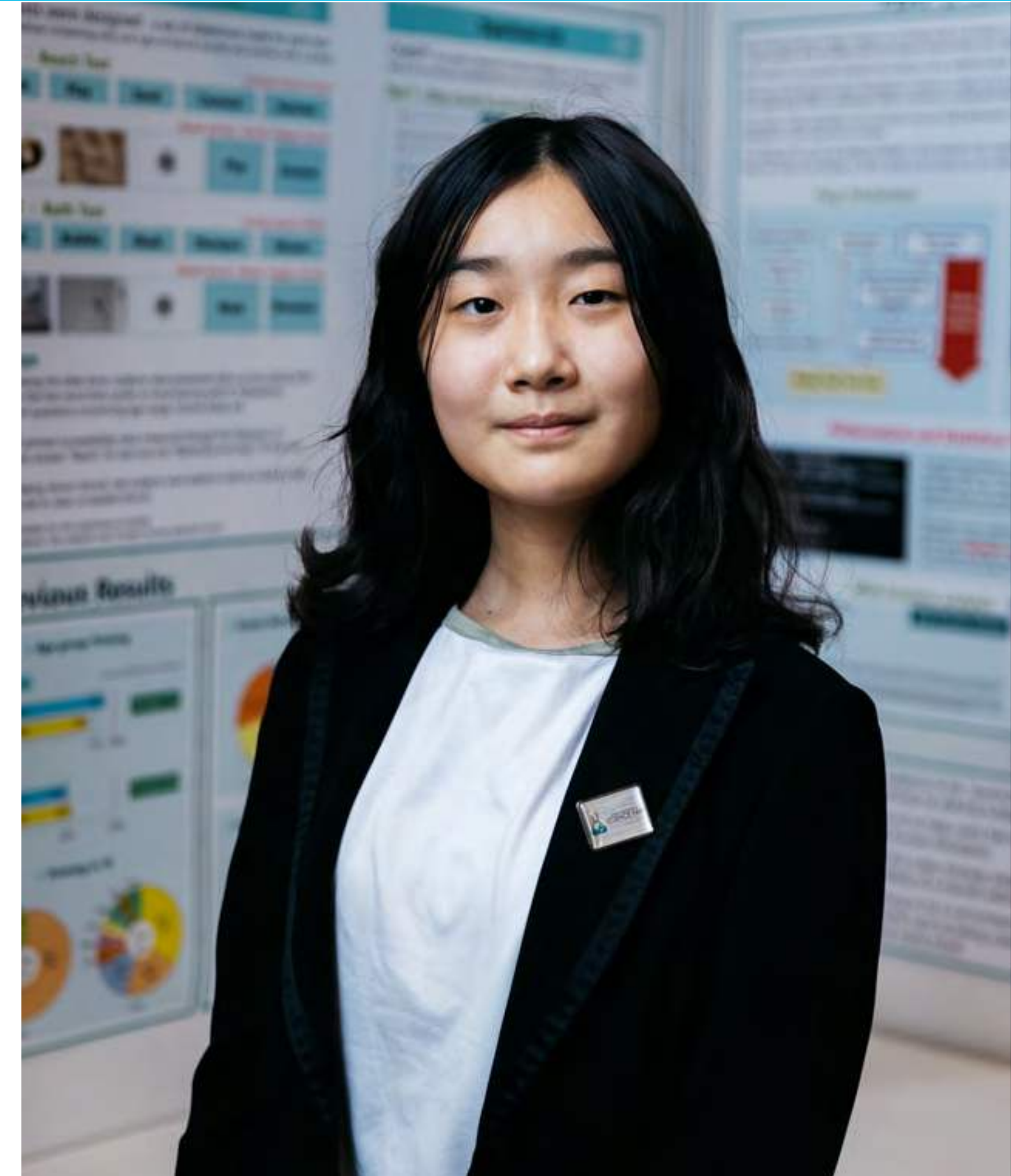


Excellence Award - Gold
Prix d'excellence - or
Junior

Adelyn Noh

Latherin' Up Your Mind: Priming Humans and AI

Edmonton - Alberta

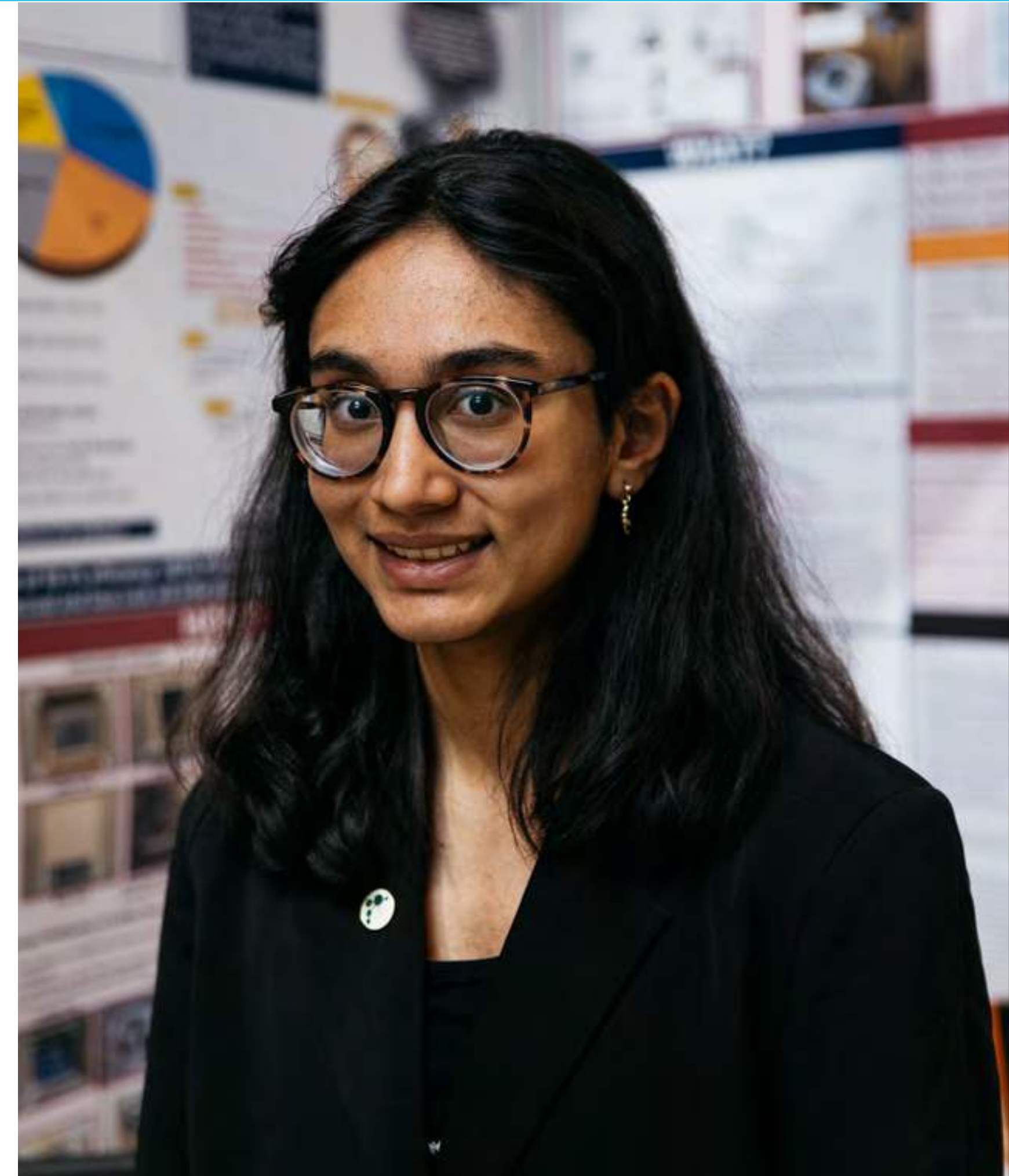


Excellence Award - Gold
Prix d'excellence - or
Junior

Annika Saini

A DIY Air Purifier To Clean Particulate Matter and Chemicals from Household Air

Calgary Youth – Alberta



Excellence Award - Gold

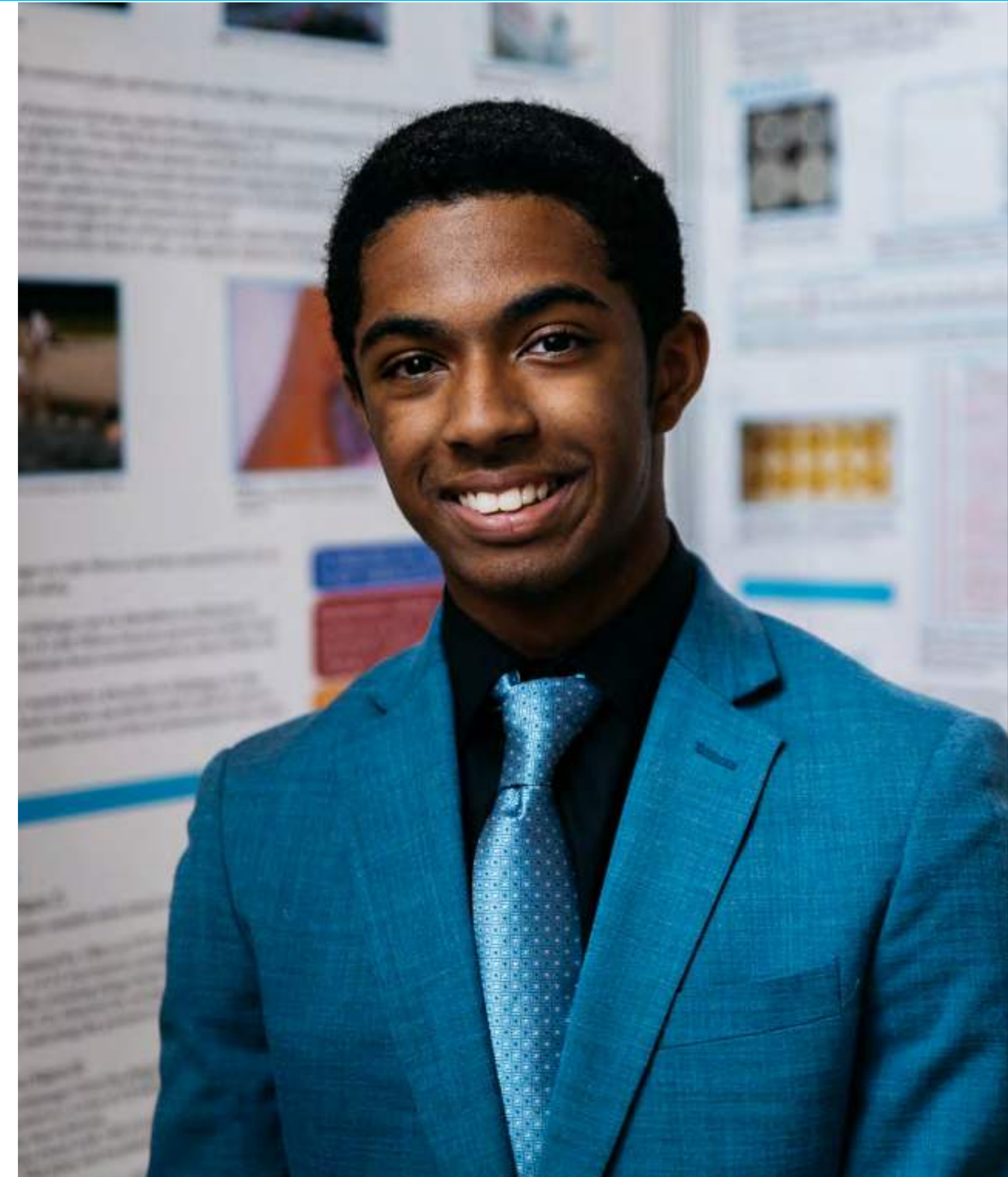
Prix d'excellence - or

Intermediate / Intermédiaire

Noah Bryan

The Phage Takes Centre Stage for Water Quality Testing!

Canadian Black Scientists Network Youth



Excellence Award - Gold

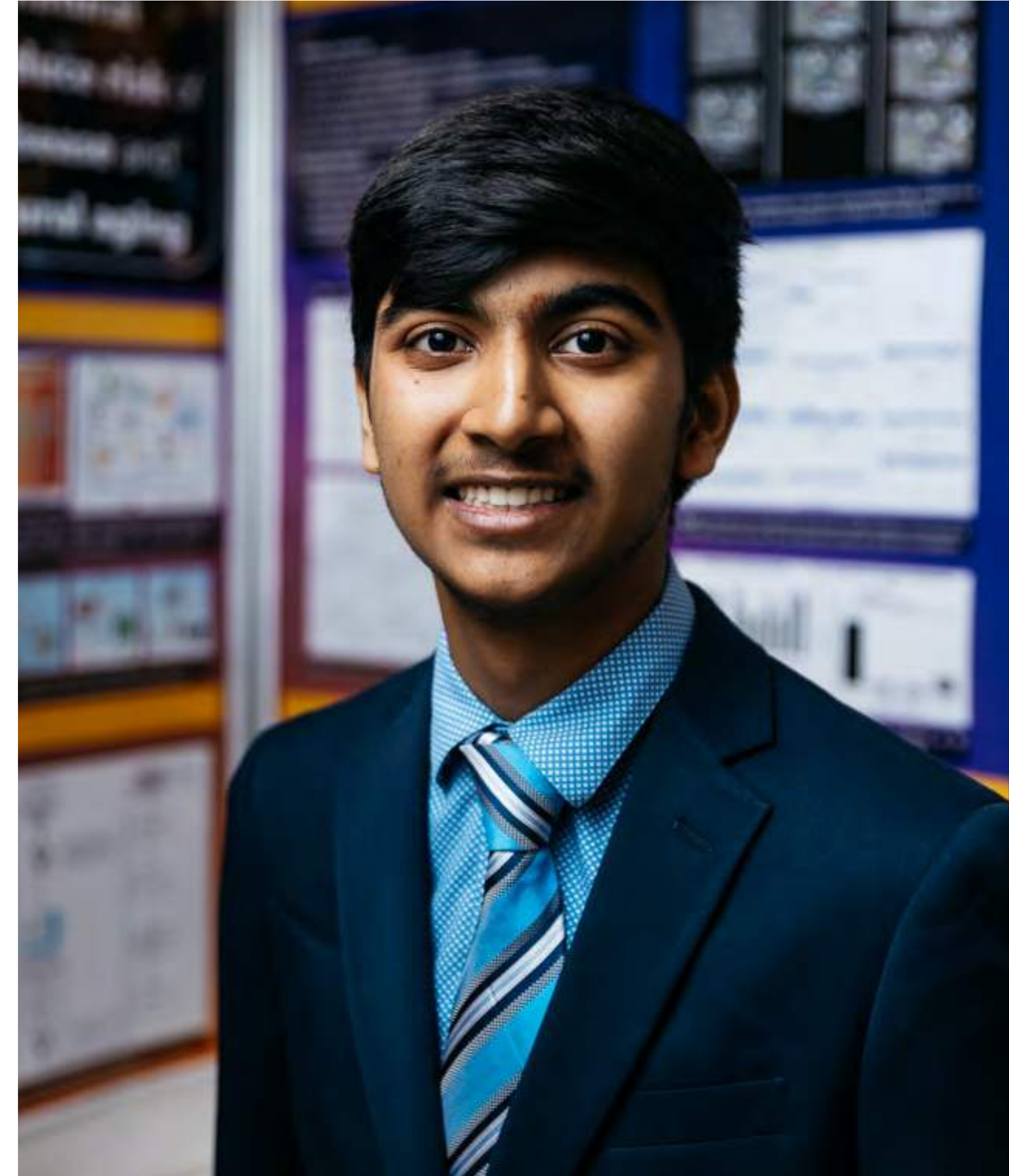
Prix d'excellence - or

Intermediate / Intermédiaire

Tesko Chaganti

The Secrets of Healthy Aging: Discovery of Novel & Natural Senolytic PI3K Inhibitors

YSC Virtual



Excellence Award - Gold

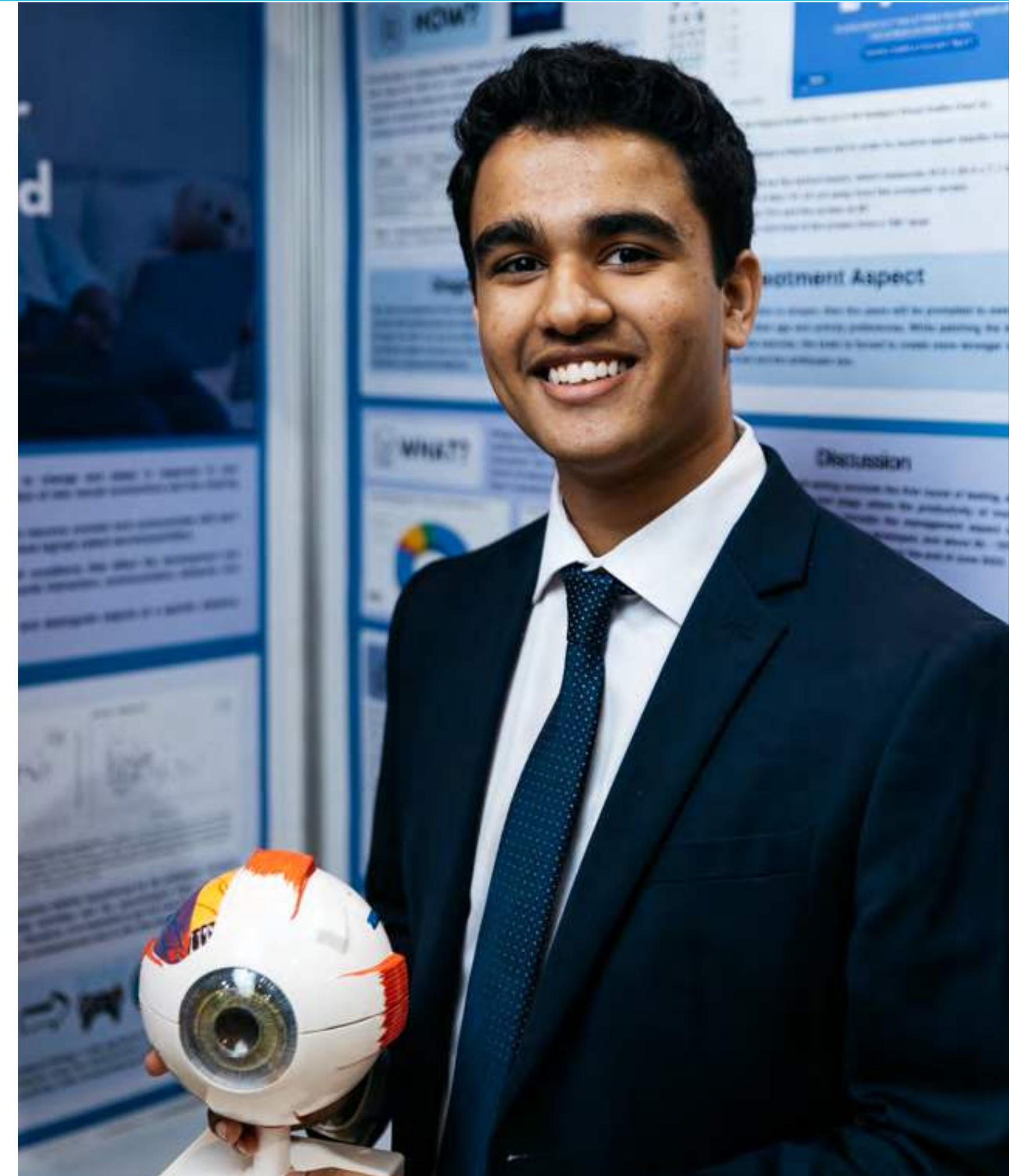
Prix d'excellence - or

Intermediate / Intermédiaire

Ashish Chettimada

ReAlign: A Novel Solution for the Early Detection and Management of Amblyopia

Waterloo-Wellington – Ontario



Excellence Award - Gold

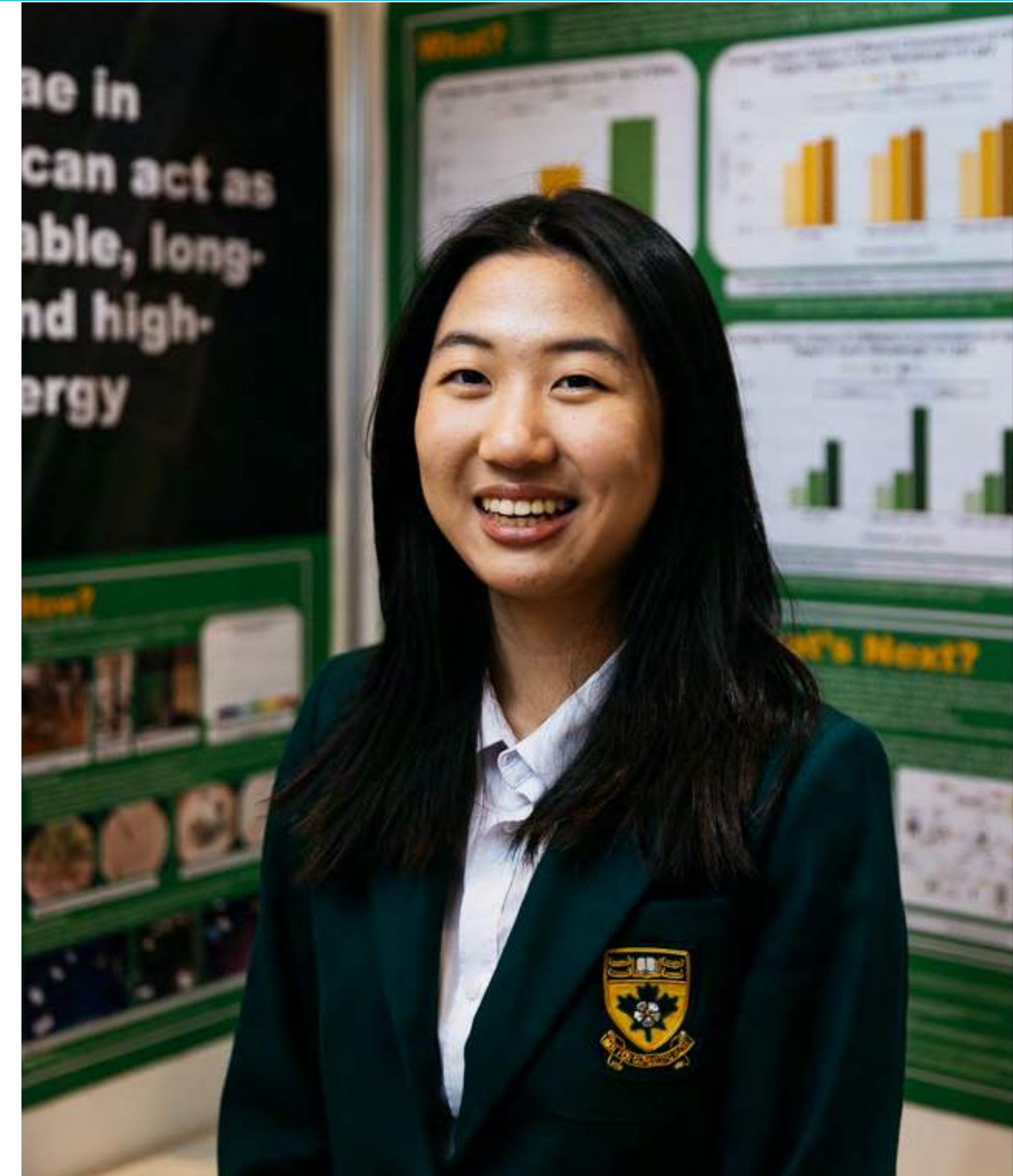
Prix d'excellence - or

Intermediate / Intermédiaire

Veronica Guo

Biological Photovoltaics: Testing Algae for the Optimal Battery

Greater Vancouver – British Columbia



Excellence Award - Gold

Prix d'excellence - or

Intermediate / Intermédiaire

Renata Hollander

The Mathematics of Language Through History: Does Zipf's Law Always Apply?

Calgary Youth - Alberta



Excellence Award - Gold

Prix d'excellence - or

Intermediate / Intermédiaire

Fayhaa Kafi

The Orange Brick 2.0

South Fraser – British Columbia



Excellence Award - Gold

Prix d'excellence - or

Intermediate / Intermédiaire

Jonathan Leung

A Survey of Spider Diversity at the University of British Columbia Farm

Greater Vancouver – British Columbia

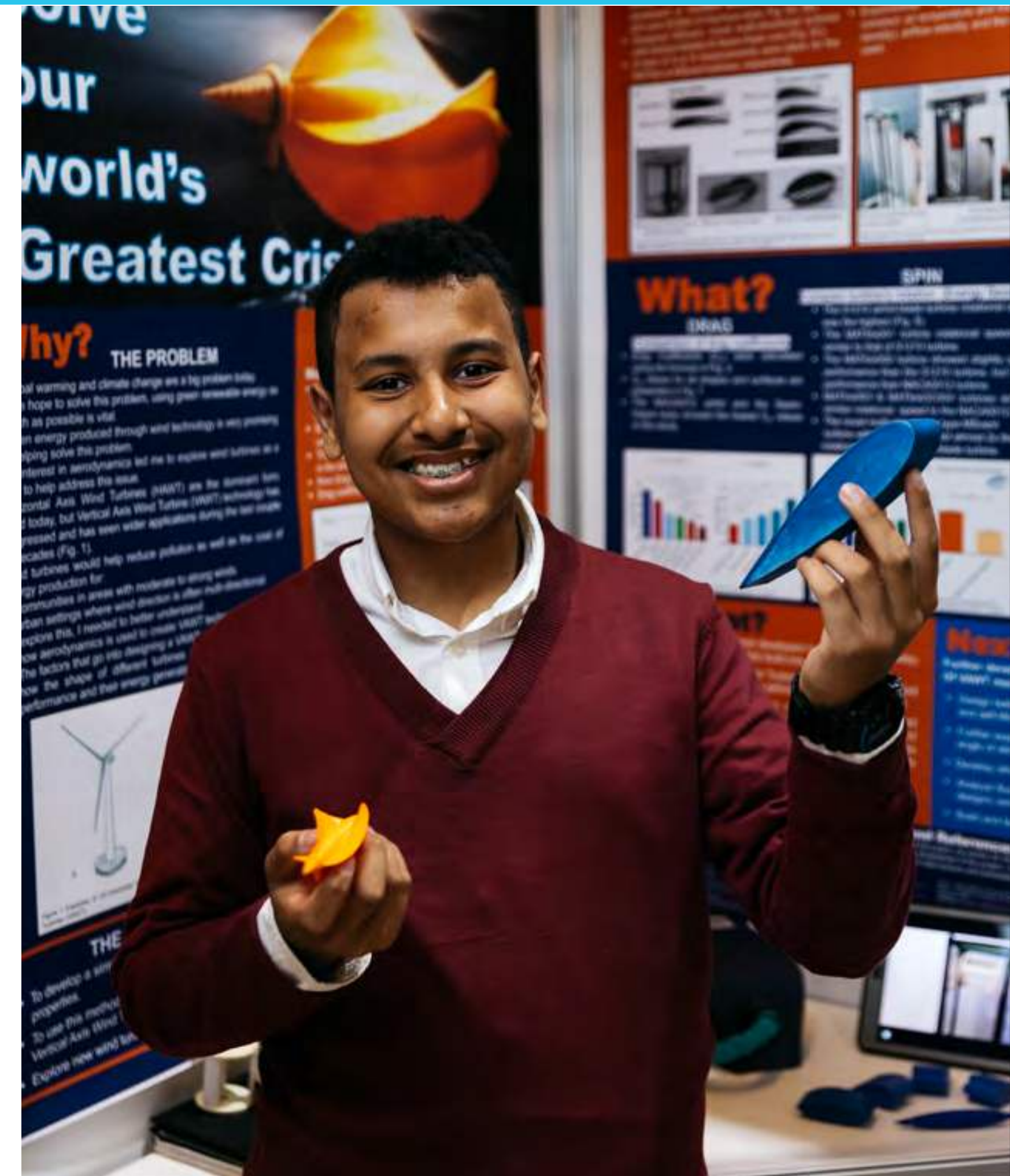


Excellence Award - Gold
Prix d'excellence - or
Intermediate / Intermédiaire

Mateo Mathenge

Green Energy: The answer is blowing in the wind

Halifax - Nova Scotia



Excellence Award - Gold

Prix d'excellence - or

Intermediate / Intermédiaire

Yurui Qin

A Novel Approach to Using Artificial Intelligence to Aid the Hearing Impaired

Saskatoon – Saskatchewan



Excellence Award - Gold

Prix d'excellence - or

Intermediate / Intermédiaire

Bram St. Peters

Could moon colonists add human biosolids or sand to lunar soil to increase food production on the moon?

Halifax – Nova Scotia



Excellence Award - Gold

Prix d'excellence - or

Senior / Sénior

Alyssa Anderson

Phytotron Ventilation: Seedling Survival in a Changing Environment

South-East New Brunswick – New Brunswick



Excellence Award - Gold

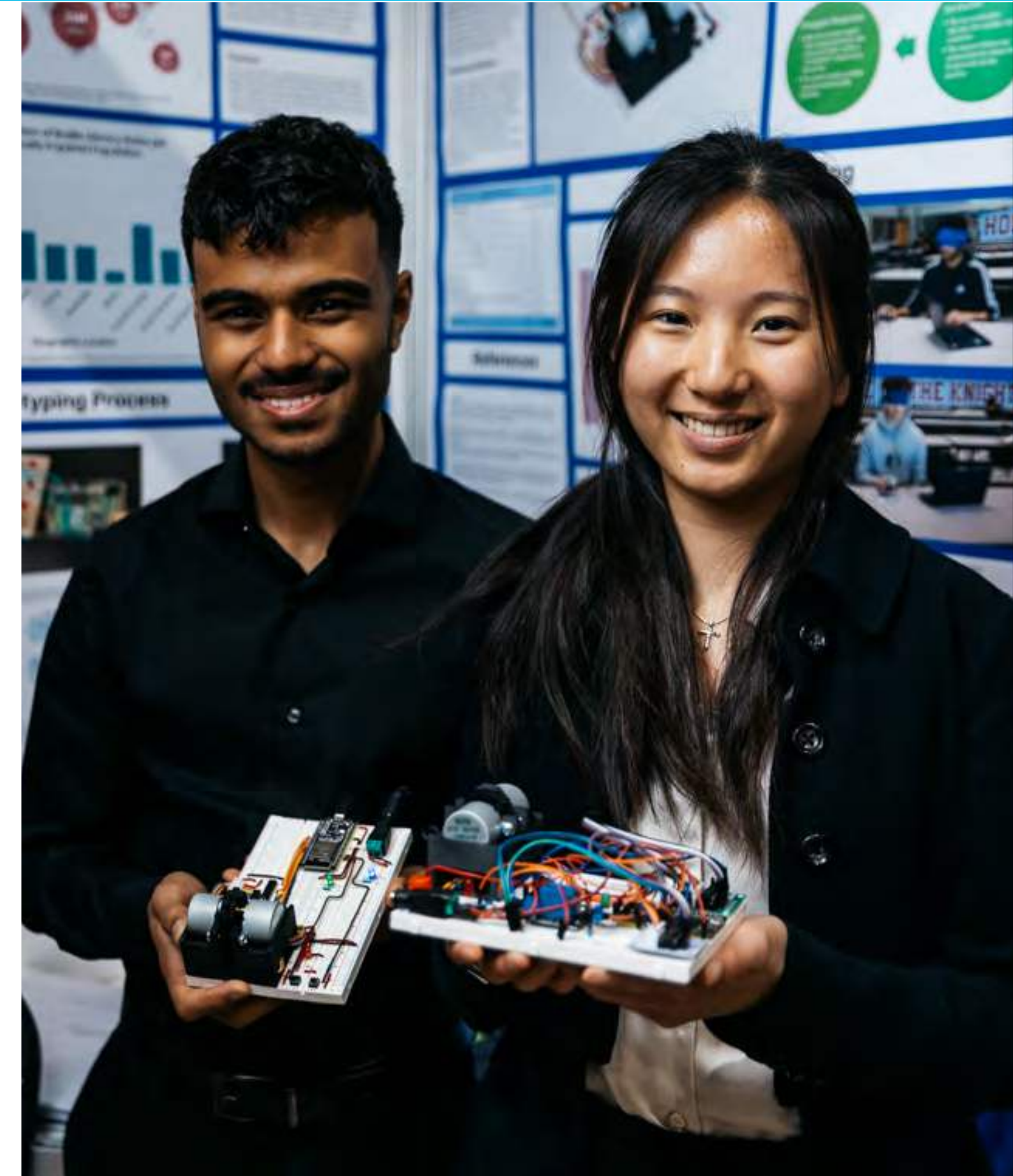
Prix d'excellence - or

Senior / Sénior

Moulik Budhiraja **Katelyn Wu**

Nail Braille: A Novel Approach Towards Braille Education

Waterloo-Wellington – Ontario



Excellence Award - Gold

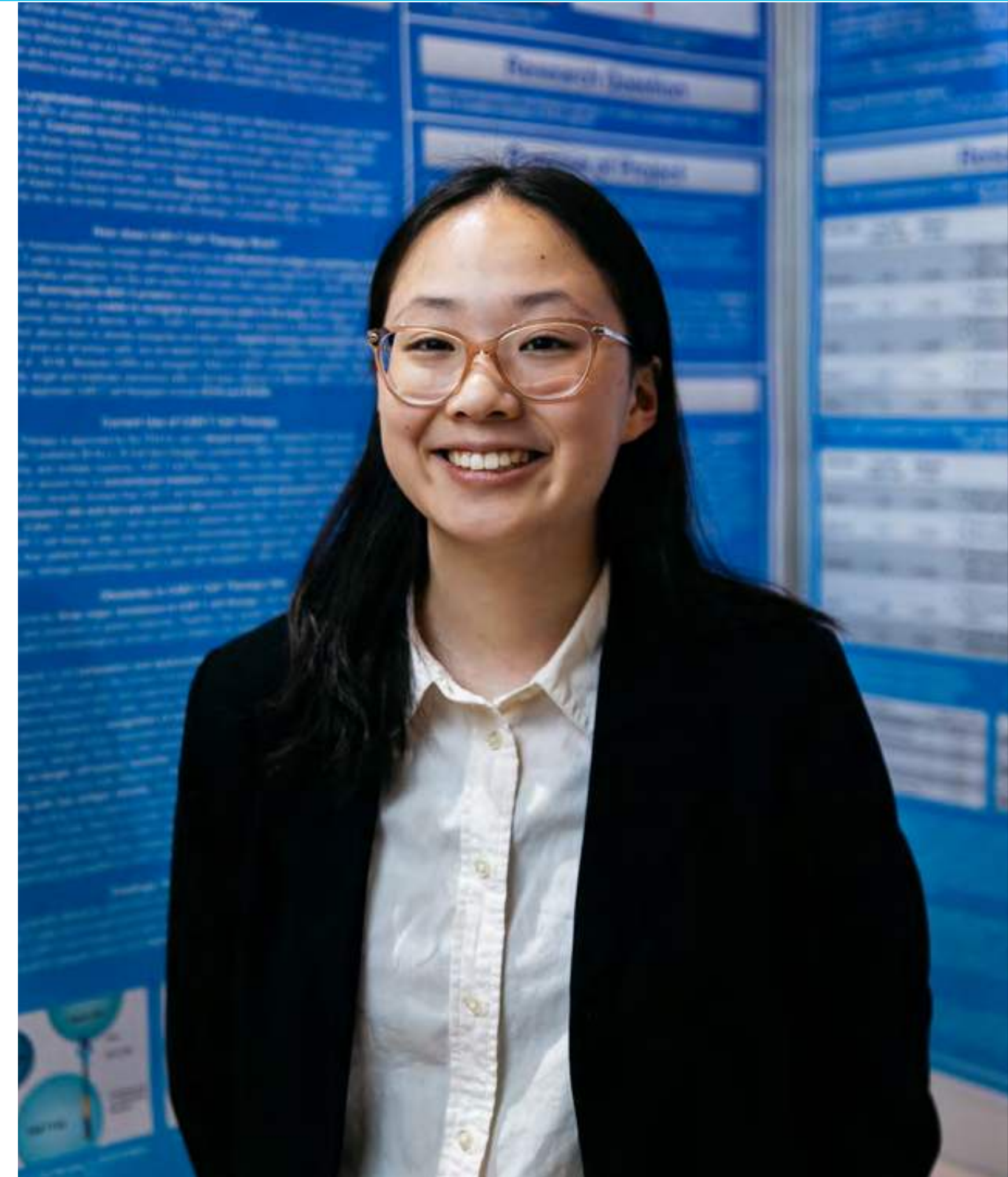
Prix d'excellence - or

Senior / Sénior

Elizabeth Chen

Optimization of CAR-T Cell Therapy using RNA-Sequencing Analysis for Biomarker Identification

Edmonton – Alberta



Excellence Award - Gold
Prix d'excellence - or
Senior / Sénior

Ryan Cullen

Simulating Le Chatelier's Principle

Eastern Newfoundland – Newfoundland & Labrador



Excellence Award - Gold

Prix d'excellence - or

Senior / Sénior

Safia Deol

The IncrediGels: Multifaceted Biopolymers for Dental Procedures

Lambton County – Ontario

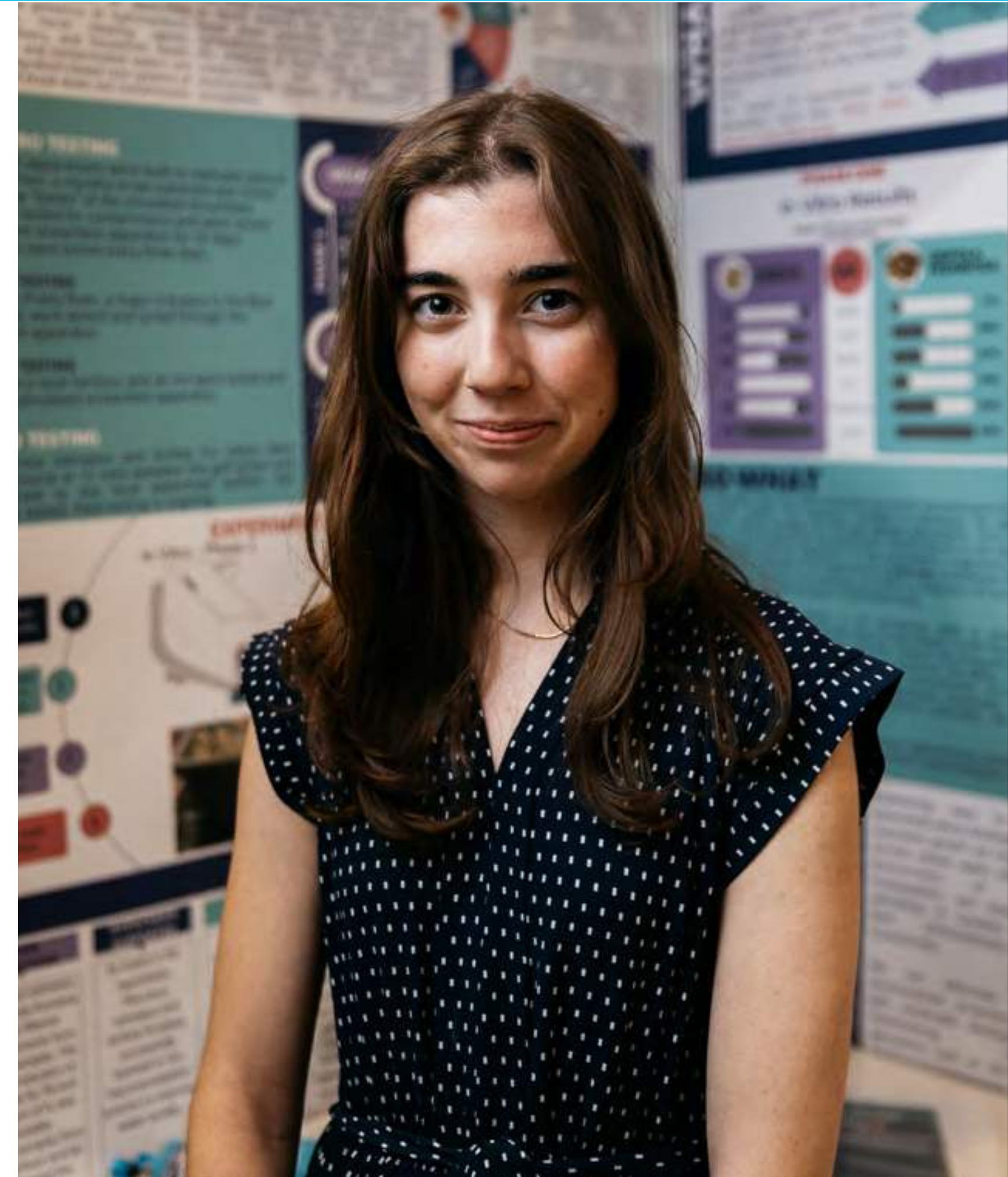


Excellence Award - Gold
Prix d'excellence - or
Senior / Sénior

Ava Fischer

exSTREAM FUNgi

Simcoe County - Ontario



Excellence Award - Gold
Prix d'excellence - or
Senior / Sénior

Heather Kornylo

Auto-Pend Lab

Northern Vancouver Island – British Columbia



Excellence Award - Gold

Prix d'excellence - or

Senior / Sénior

Thomas Murimboh

The Best Cell Provider! An Evaluation of Probiotic Products

Annapolis Valley – Nova Scotia



Excellence Award - Gold

Prix d'excellence - or

Senior / Sénior

Jasmin Pelletier

As-tu le profil d'un gagnant?

Réseau Technoscience – Québec



Excellence Award - Gold

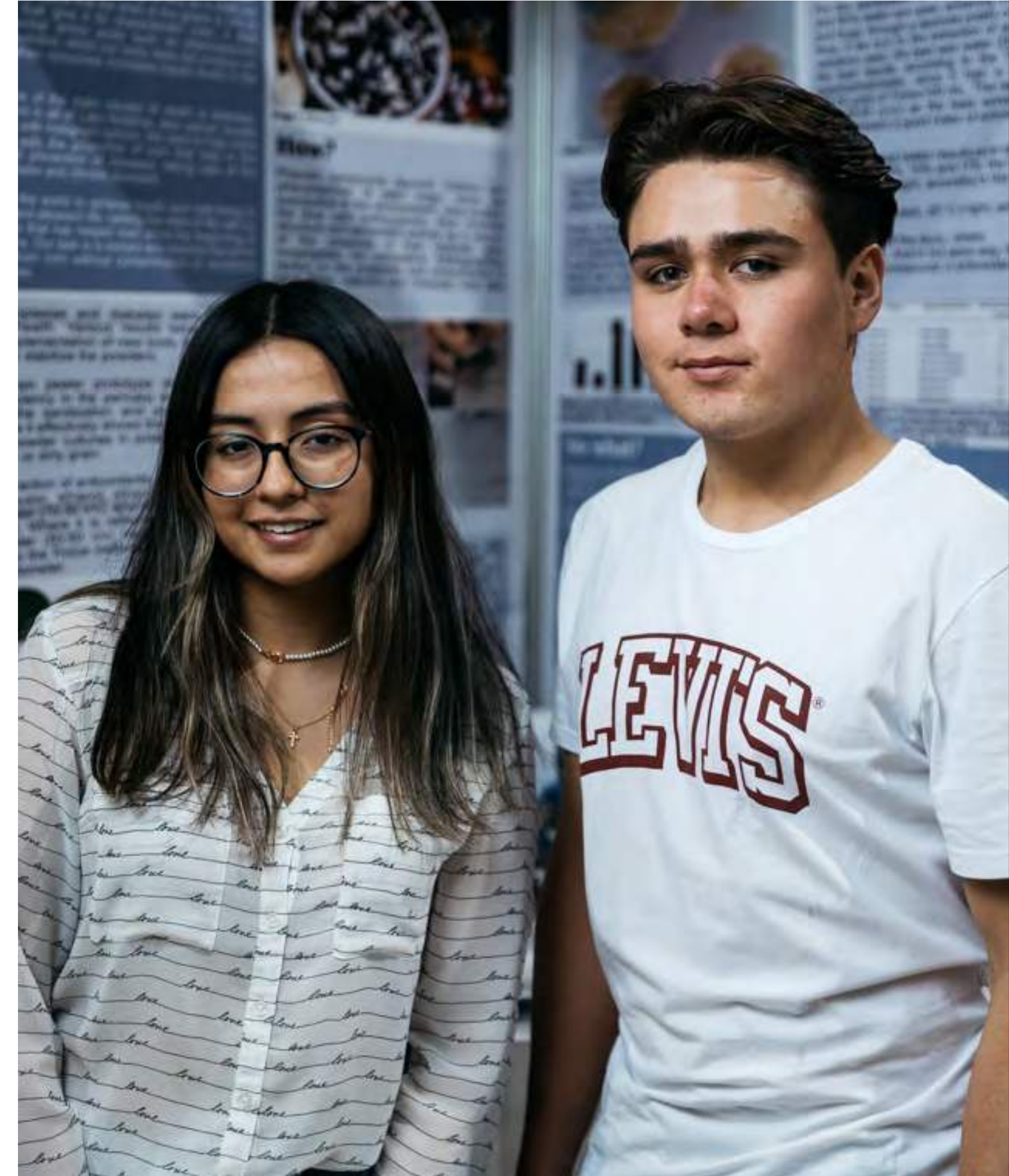
Prix d'excellence - or

Senior / Sénior

Sarah Reyes Zamora
Diego Rodriguez Collantes

Tlaolli Xiuhtic

Mexico



Excellence Award - Gold

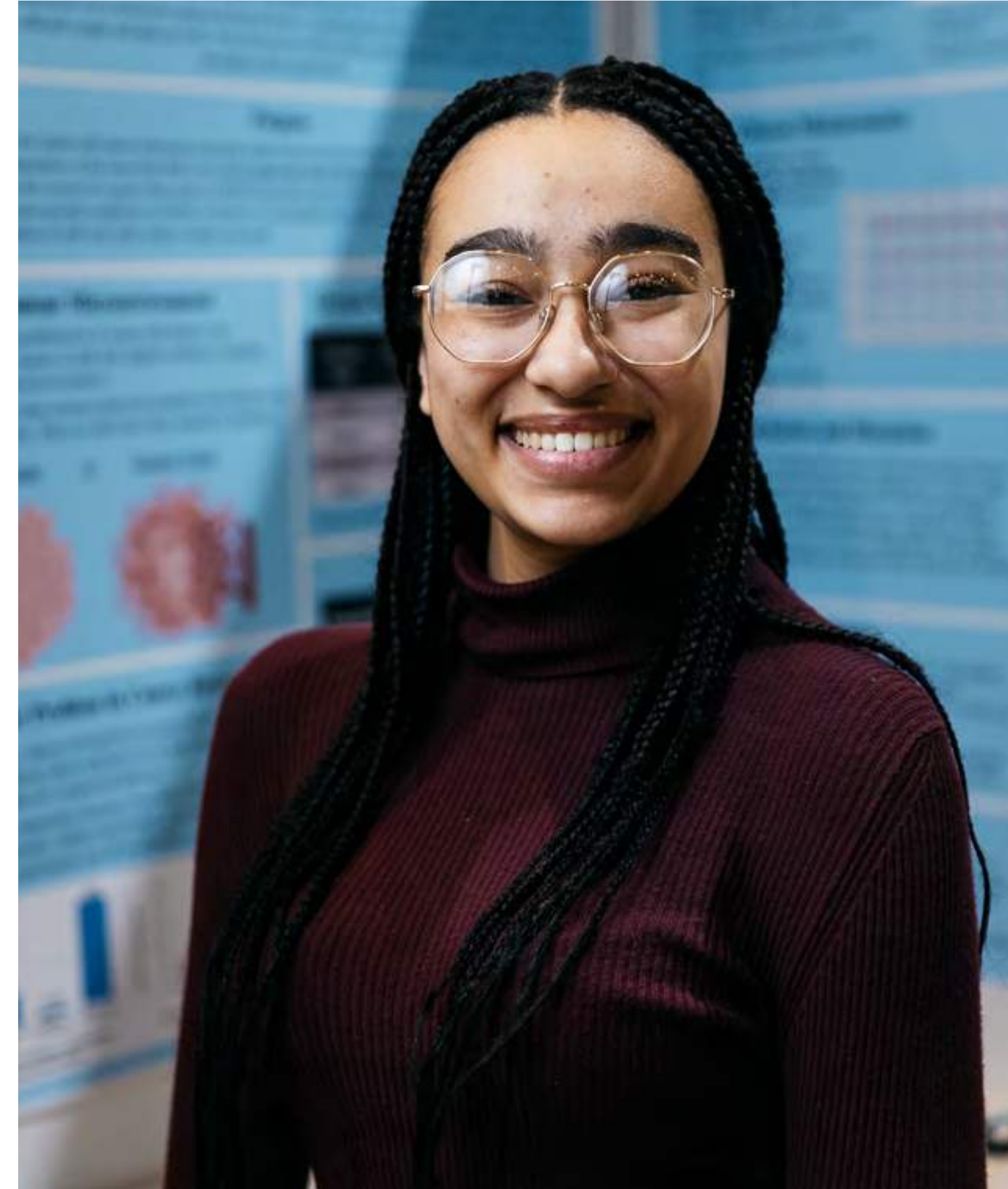
Prix d'excellence - or

Senior / Sénior

Camela Temacini

Recreating a Tumour Microenvironment: Solving a Major Problem in Cancer Cell Culture

Niagara - Ontario





Challenge Award - Agriculture, Fisheries and Food Prix du défi - Agriculture, pêche et alimentation

Junior

Jordan LeBlanc

Transferring Pollen Using a Mechanical Bee

Bay Area - Ontario





Challenge Award - Agriculture, Fisheries and Food Prix du défi - Agriculture, pêche et alimentation

Intermediate / Intermédiaire

Ila Giroux
Kavi Giroux

Drone Assisted Orchard Assessment

Algoma Rotary - Ontario





Challenge Award - Agriculture, Fisheries and Food Prix du défi - Agriculture, pêche et alimentation

Senior / Sénior

Hannah Allen

Food for Thought

South Shore - Nova Scotia





Challenge Award - Curiosity and Ingenuity

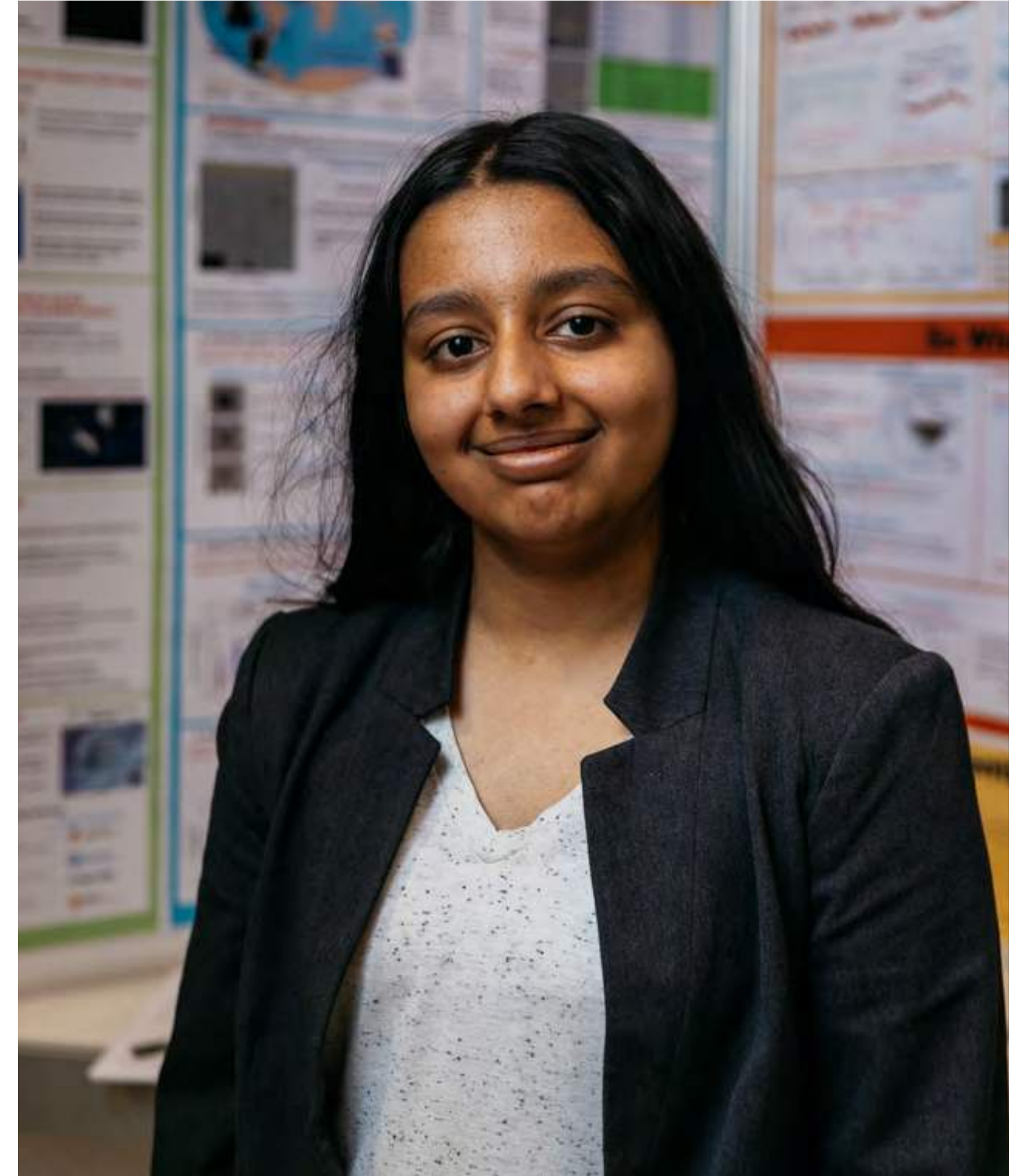
Prix du défi - Curiosité et ingéniosité

Junior

Arushi Nath

Developing algorithms to determine asteroid's physical properties and success of deflection missions

Toronto - Ontario





Challenge Award - Curiosity and Ingenuity

Prix du défi - Curiosité et ingéniosité

Intermediate / Intermédiaire

Bram St. Peters

Could moon colonists add human biosolids or sand to lunar soil to increase food production on the moon?

Halifax – Nova Scotia





Challenge Award - Curiosity and Ingenuity

Prix du défi - Curiosité et ingéniosité

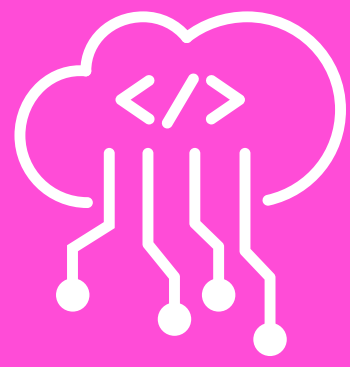
Senior / Sénior

Heather Kornylo

Auto-Pend Lab

Northern Vancouver Island – British Columbia





Challenge Award - Digital Technology Prix du défi - Technologie numérique

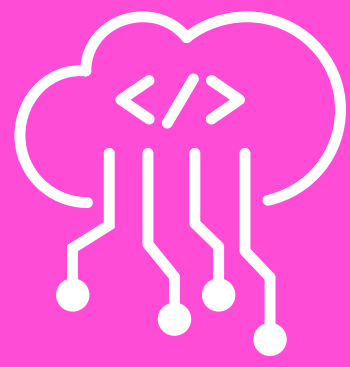
Junior

Richard Ilioukevitch

The Rescue Rangers Autonomous Robotic Search and Rescue System

Northwest Saskatchewan – Saskatchewan





Challenge Award - Digital Technology

Prix du défi - Technologie numérique

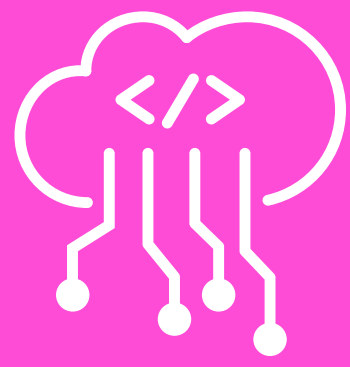
Intermediate / Intermédiaire

Yurui Qin

A Novel Approach to Using Artificial Intelligence to Aid the Hearing Impaired

Saskatoon – Saskatchewan





Challenge Award - Digital Technology

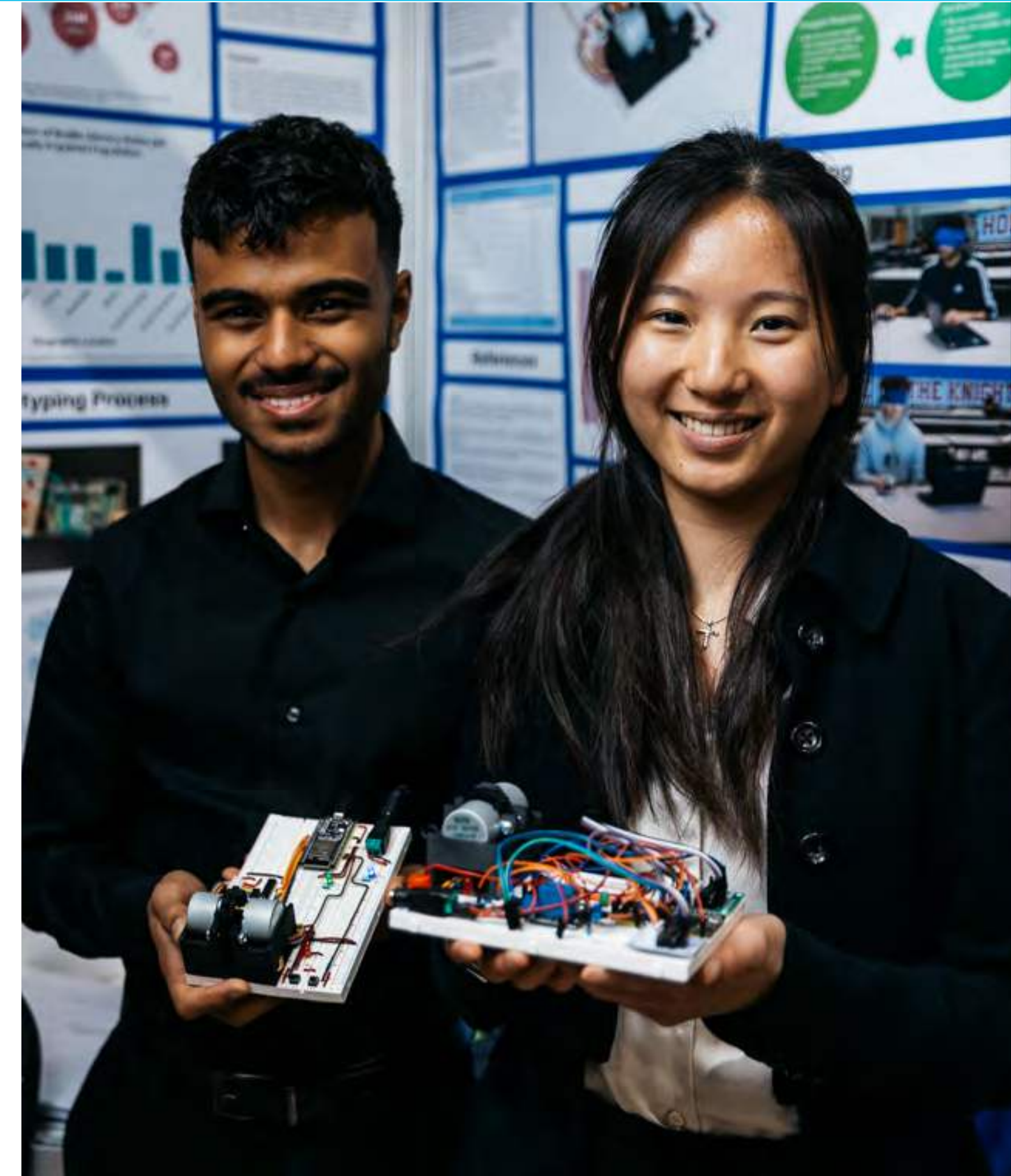
Prix du défi - Technologie numérique

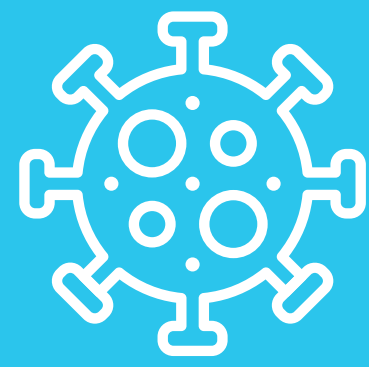
Senior / Sénior

Moulik Budhiraja
Katelyn Wu

Nail Braille: A Novel Approach Towards Braille Education

Waterloo-Wellington – Ontario





Challenge Award - Disease and Illness Prix du défi - Maladies et infections

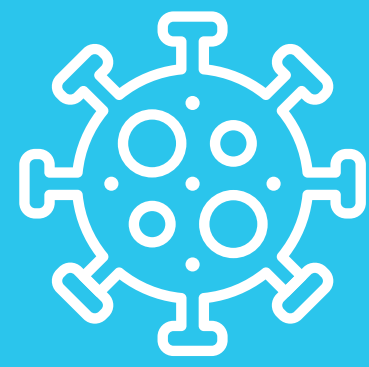
Junior

Andrei Marti

Sweet Scores

Vancouver Island - British Columbia





Challenge Award - Disease and Illness

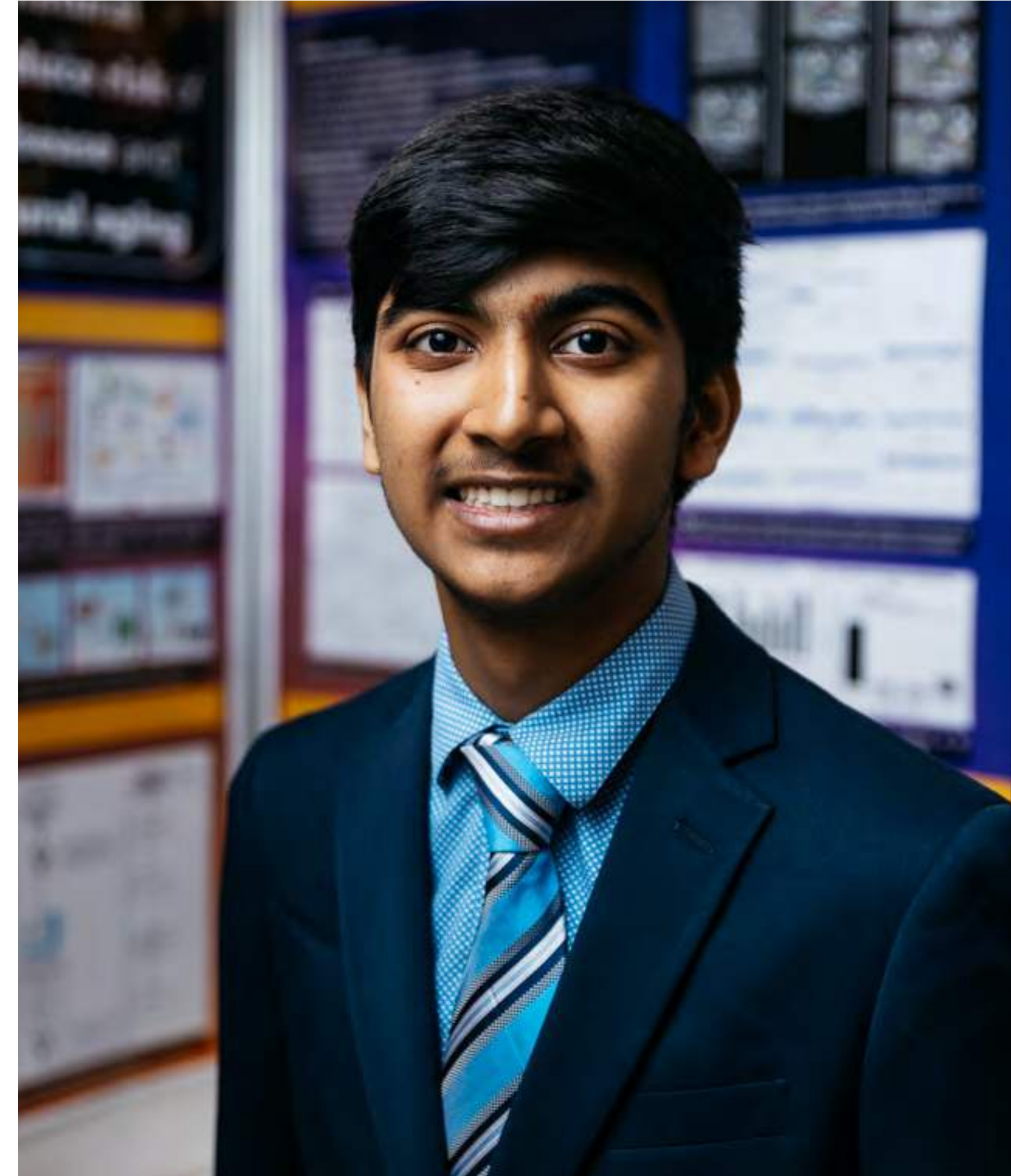
Prix du défi - Maladies et infections

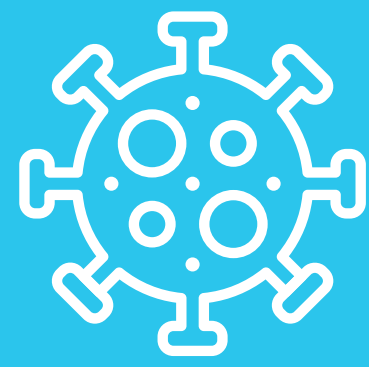
Intermediate / Intermédiaire

Tesko Chaganti

The Secrets of Healthy Aging: Discovery of Novel & Natural Senolytic PI3K Inhibitors

YSC Virtual





Challenge Award - Disease and Illness

Prix du défi - Maladies et infections

Senior / Sénior

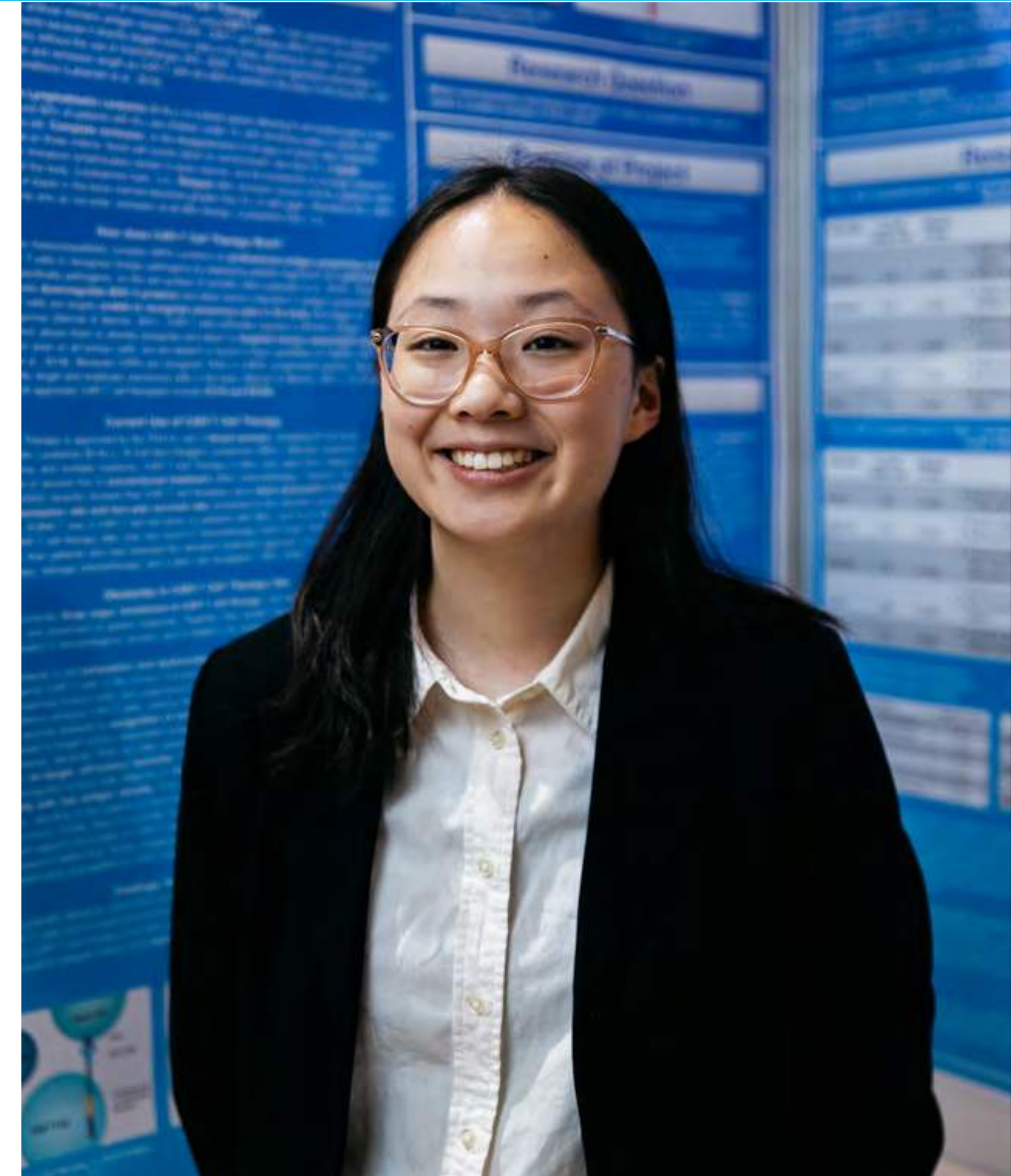
Elizabeth Chen

Optimization of CAR-T Cell Therapy using RNA-Sequencing Analysis for Biomarker Identification

Edmonton – Alberta



Youth Science Canada
Sciences jeunesse Canada





Challenge Award - Energy

Prix du défi - Énergie

Junior

Alyssa Morena

Hydrogen Fuel of the Future – Dry Hydrogen Storage

Ottawa – Ontario





Challenge Award - Energy

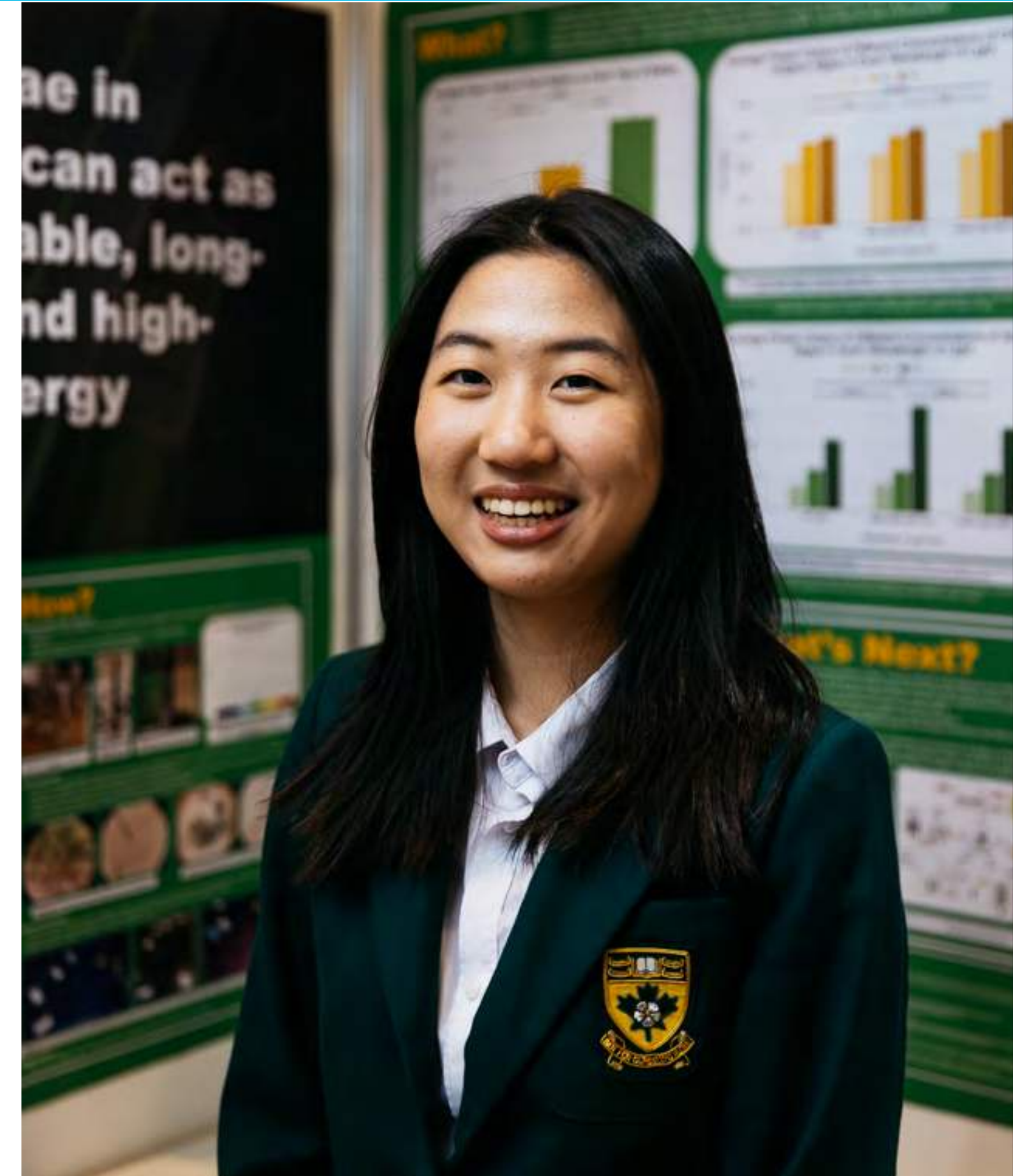
Prix du défi - Énergie

Intermediate / Intermédiaire

Veronica Guo

Biological Photovoltaics: Testing Algae for the Optimal Battery

Greater Vancouver – British Columbia





Challenge Award - Energy

Prix du défi - Énergie

Senior / Sénior

William Chiu
Rohit Koneru

Quantum Annealing for Real-Time Reconfiguration of Electrical Grids to Minimize Transmission Loss

Toronto – Ontario





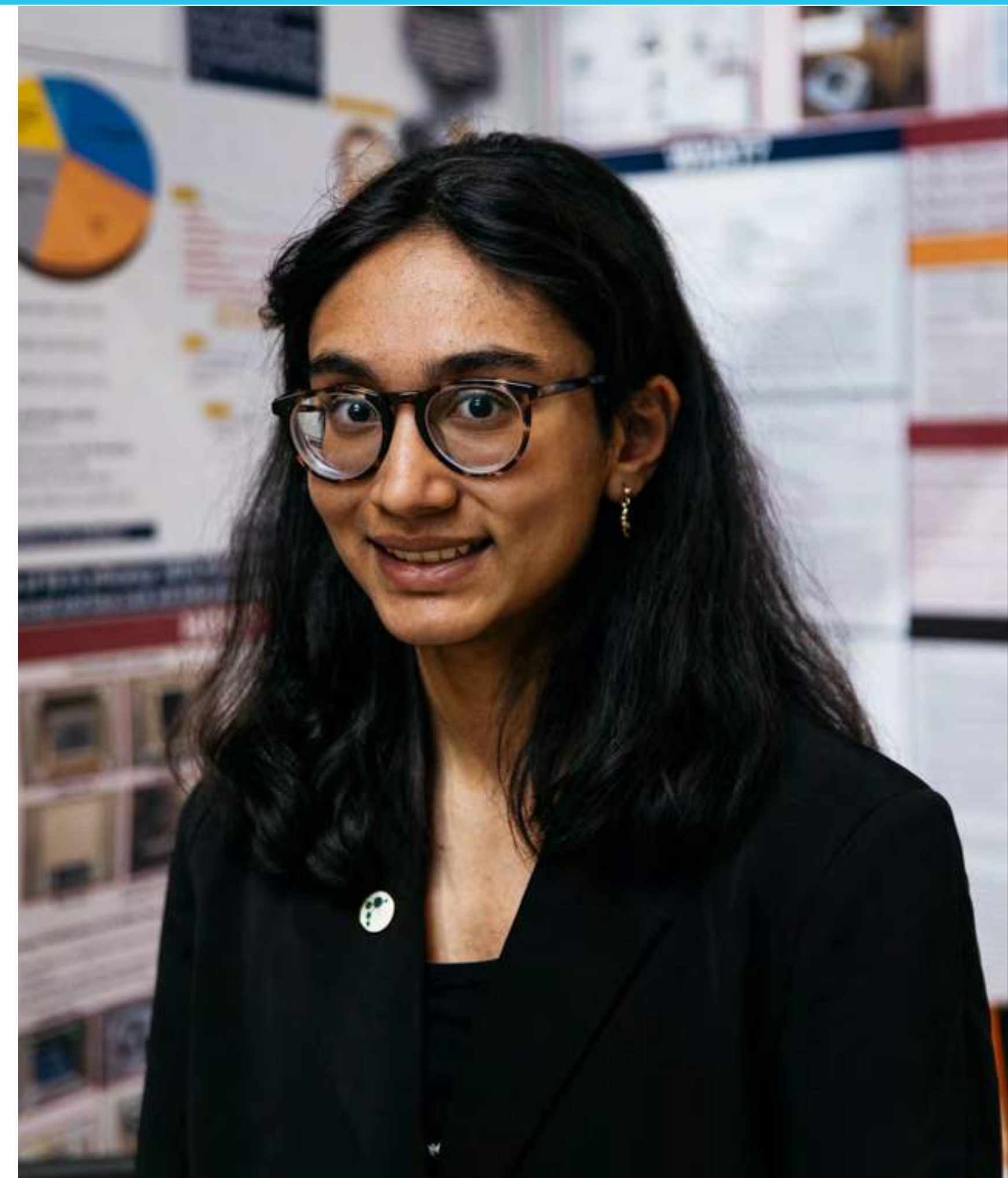
Challenge Award - Environment and Climate Change Prix du défi - Environnement et changement climatique

Junior

Annika Saini

A DIY Air Purifier To Clean Particulate Matter and Chemicals from Household Air

Calgary Youth - Alberta





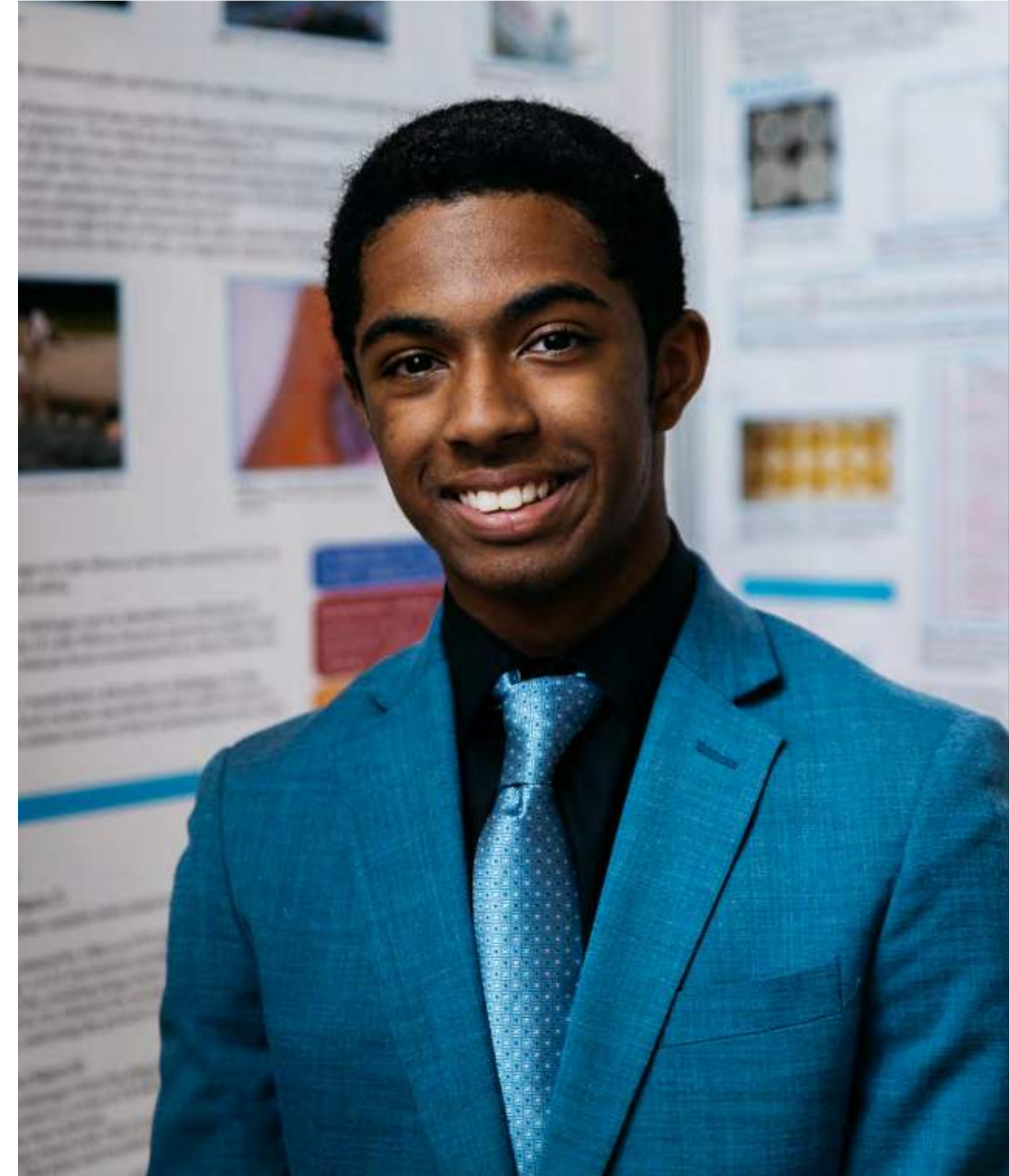
Challenge Award - Environment and Climate Change Prix du défi - Environnement et changement climatique

Intermediate / Intermédiaire

Noah Bryan

The Phage Takes Centre Stage for Water Quality Testing!

Canadian Black Scientists Network Youth





Challenge Award - Environment and Climate Change Prix du défi - Environnement et changement climatique

Senior / Sénior

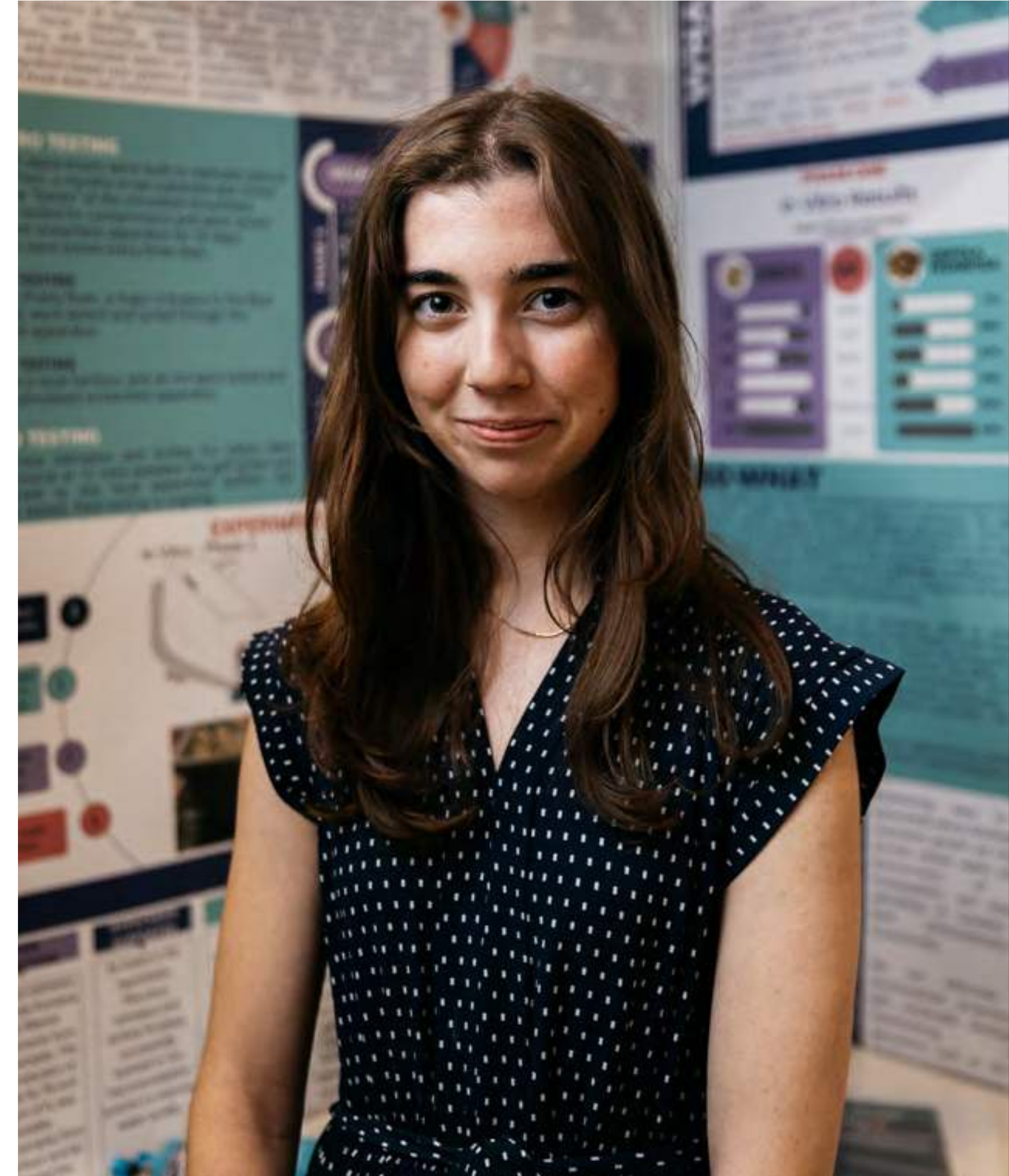
Ava Fischer

exSTREAM FUNgi

Simcoe County - Ontario



Youth Science Canada
Sciences jeunesse Canada





Challenge Award - Health and Wellness

Prix du défi - Santé ou bien être

Junior

Tahlia Feldman

Battery Catastrophe

Simcoe County - Ontario



Youth Science Canada
Sciences jeunesse Canada





Challenge Award - Health and Wellness

Prix du défi - Santé ou bien être

Intermediate / Intermédiaire

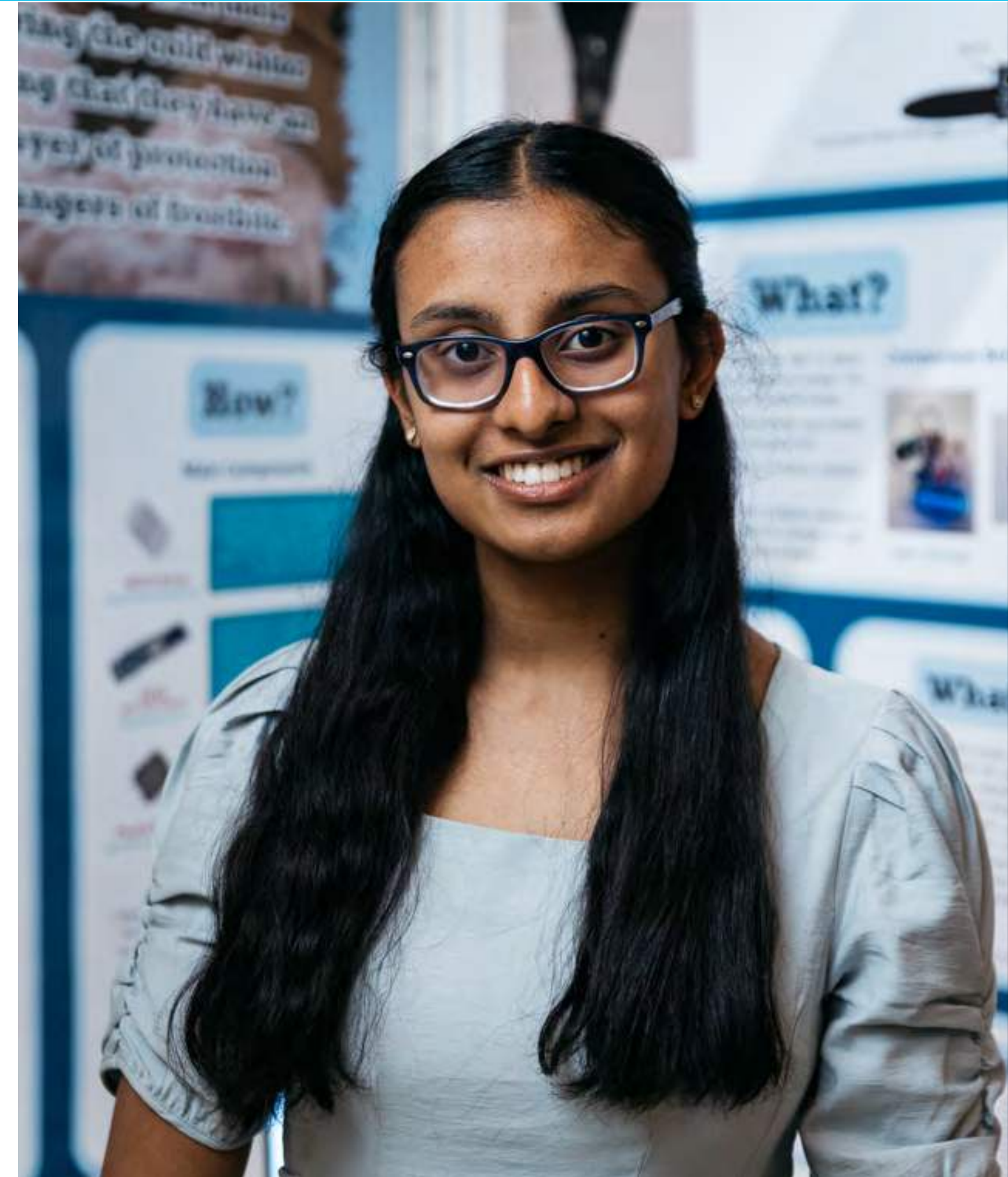
Nishka Rai

F.R.O.S.T. – Frostbite Risk Observation & Safety Technology

Wood Buffalo – Alberta



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Challenge Award - Health and Wellness

Prix du défi - Santé ou bien être

Senior / Sénior

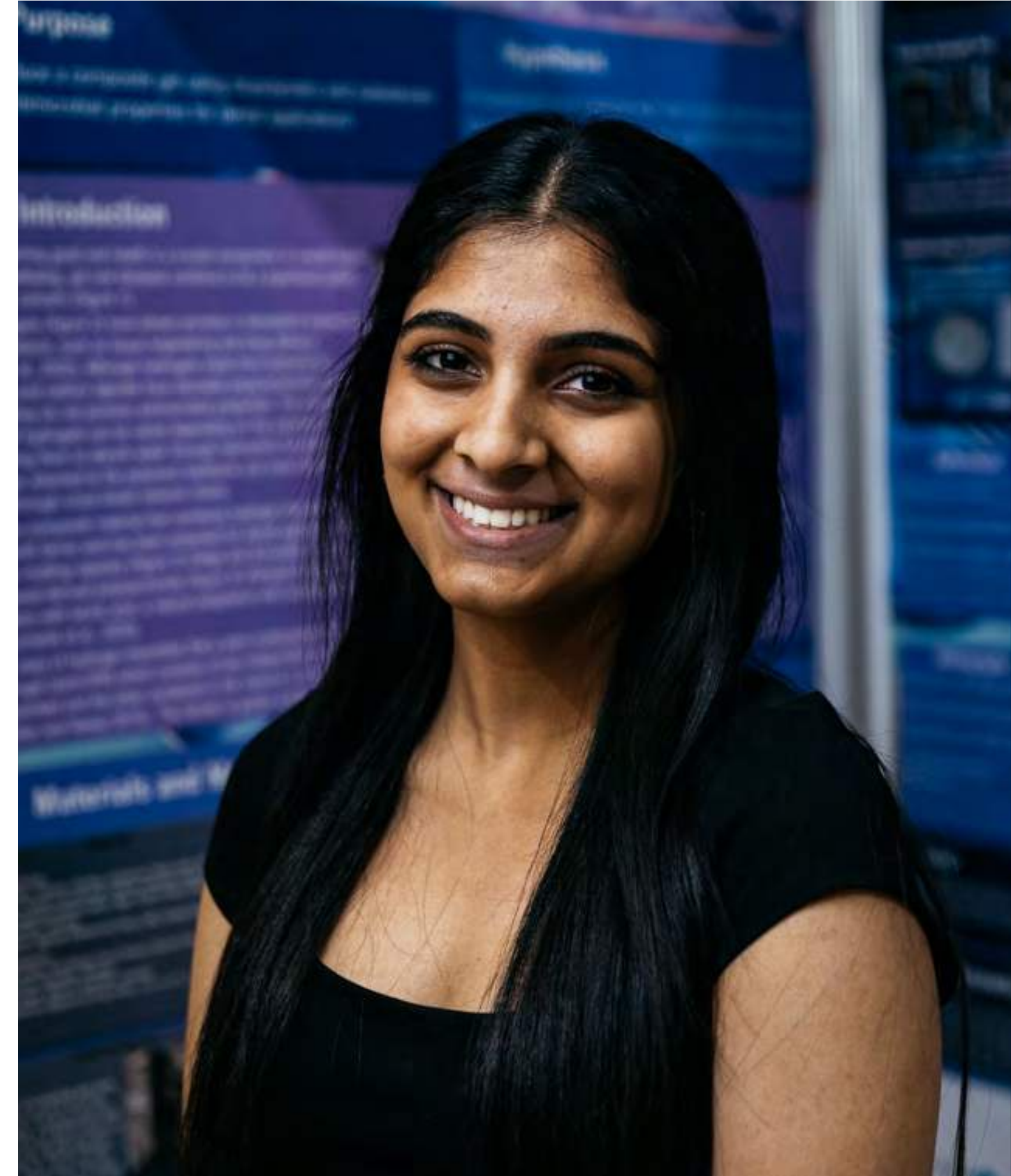
Safia Deol

The IncrediGels: Multifaceted Biopolymers for Dental Procedures

Lambton County - Ontario



Youth Science Canada
Sciences jeunesse Canada





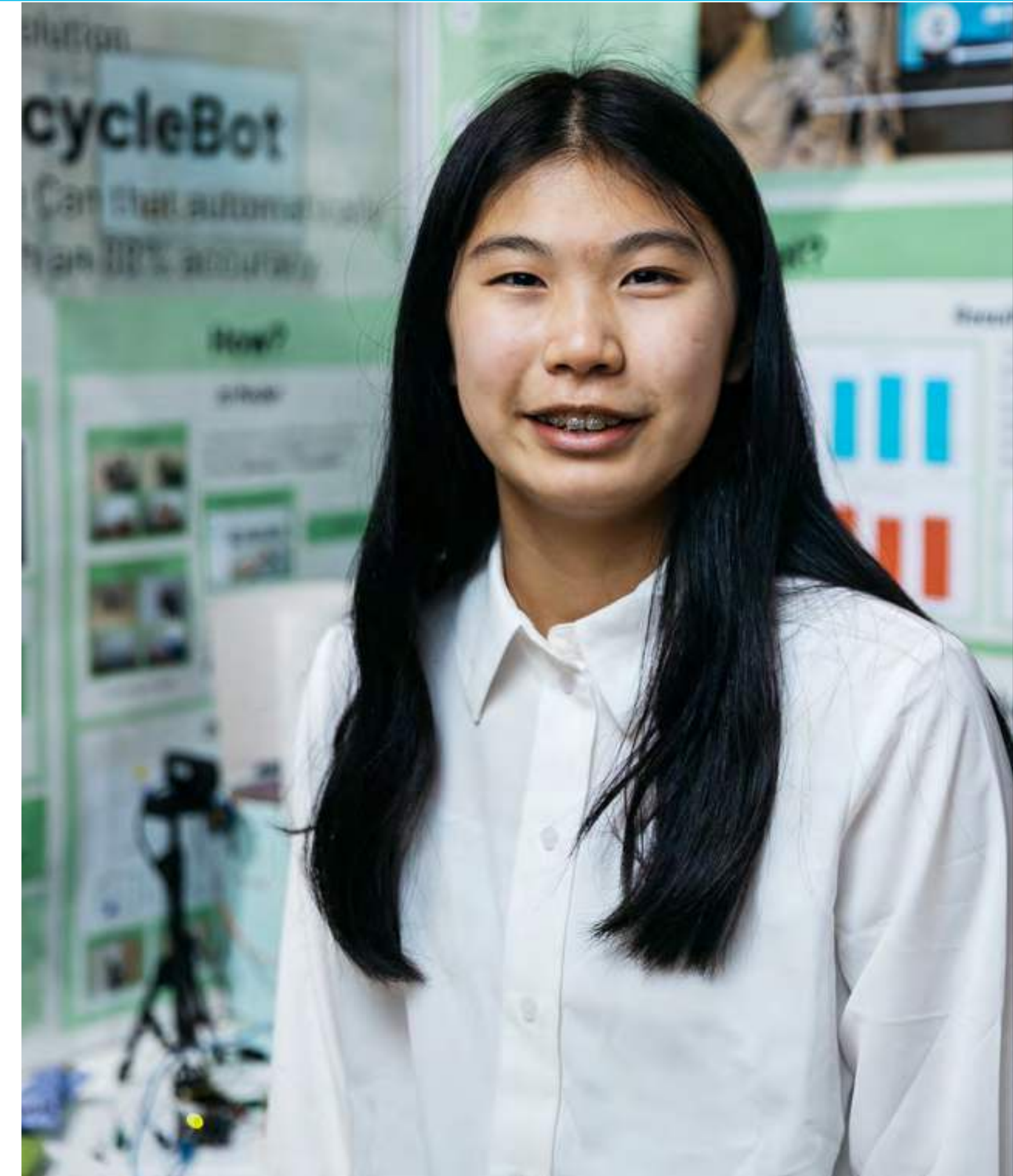
Challenge Award - Natural Resources Prix du défi - Ressources naturelles

Junior

Caroline Chan

RecycleBot: An AI Enabled Waste Sorting Trash Can

Toronto - Ontario





Challenge Award - Natural Resources

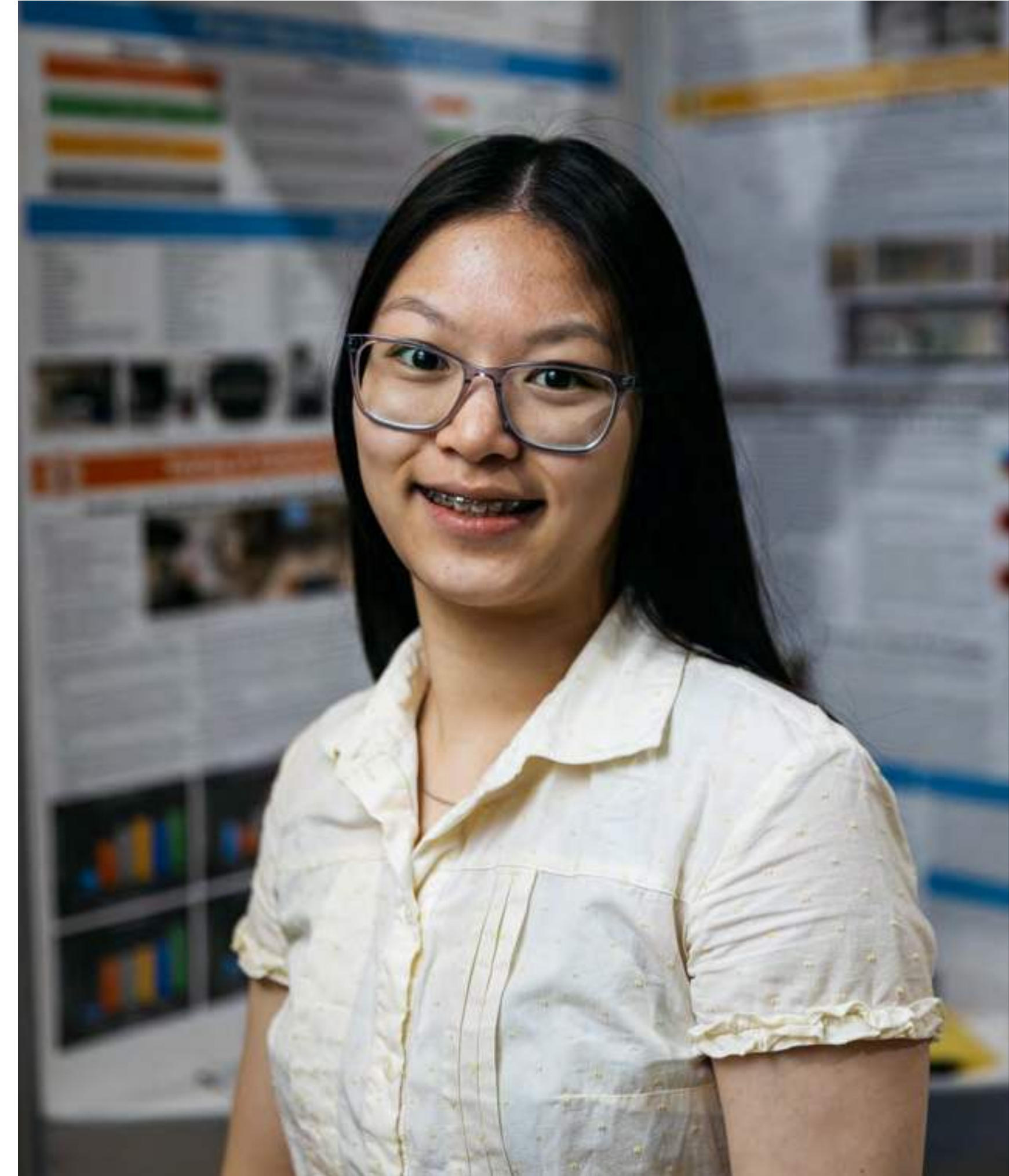
Prix du défi - Ressources naturelles

Intermediate / Intermédiaire

Sophia Zhang

Triboelectric Nanogenerator for Wind Energy Harvesting

Eastern Newfoundland – Newfoundland & Labrador



sanofi

bio^{genius}



CWSF Canada-Wide Science Fair
ESPC Expo-sciences pancanadienne

**Sanofi Biogenius Canada Award
Prix Sanofi Biogenius Canada**

Junior

Soleil Brookes

Moss Filters: How They Affect Air Quality

Pacific Northwest – British Columbia

sanofi



Edmonton, AB • Edmonton (Alberta)



Youth Science Canada
Sciences jeunesse Canada



Sanofi Biogenius Canada Award
Prix Sanofi Biogenius Canada

Junior

Aryan Sharma

A Novel Solution to Plastic Pollution

Calgary Youth – Alberta



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CWSF Canada-Wide Science Fair
ESPC Expo-sciences pancanadienne

Sanofi Biogenius Canada Award Prix Sanofi Biogenius Canada

Junior

Sara Waqas

Can Bioengineering Alter Genetic Mutations and Create Organs Using Stem Cells?

Calgary Youth – Alberta

sanofi



Edmonton, AB • Edmonton (Alberta)



Youth Science Canada
Sciences jeunesse Canada

sanofi

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CWSF Canada-Wide Science Fair
ESPC Expo-sciences pancanadienne

Sanofi Biogenius Canada Award

Prix Sanofi Biogenius Canada

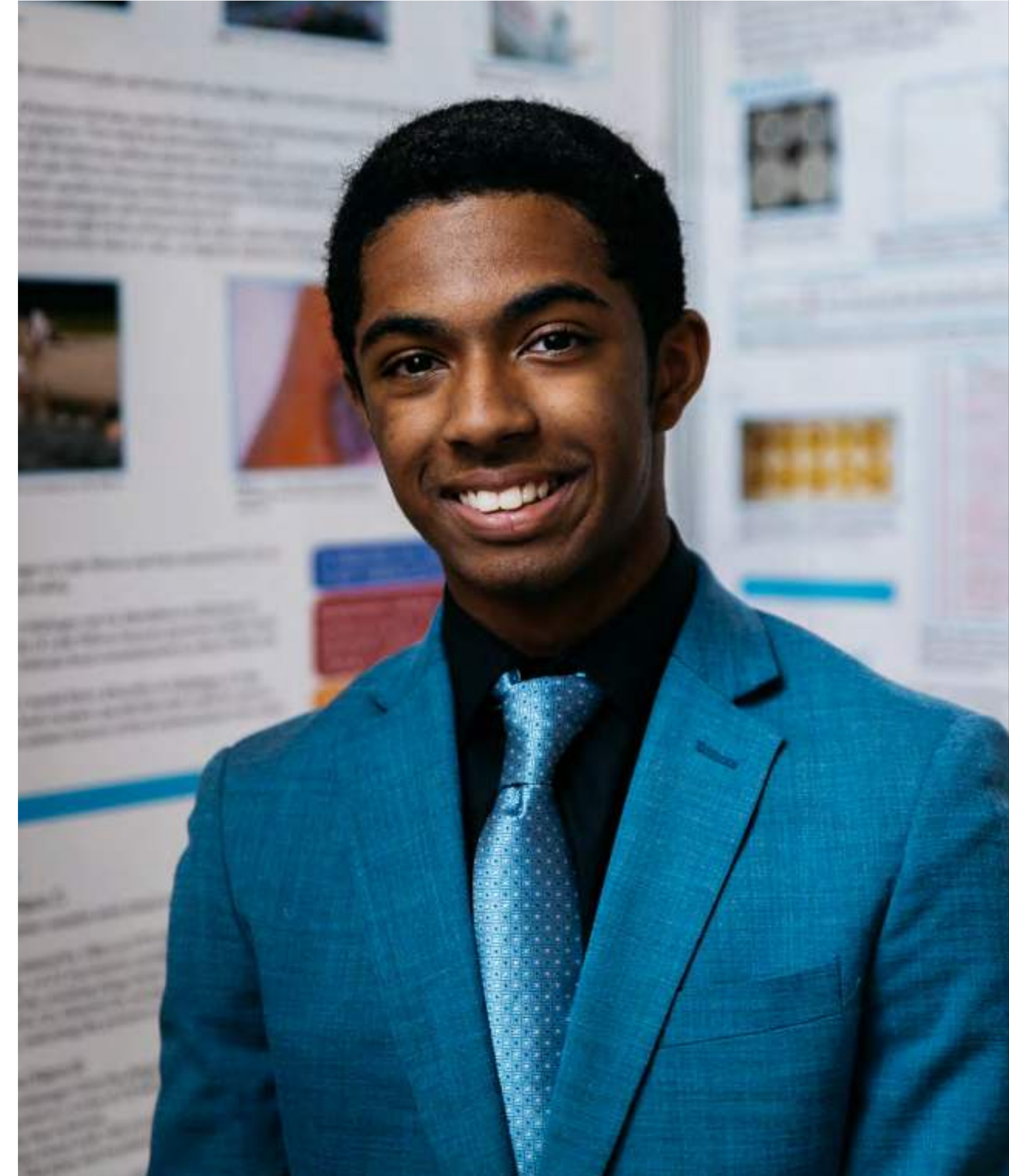
Intermediate / Intermédiaire

Noah Bryan

The Phage Takes Centre Stage for Water Quality Testing!

Canadian Black Scientists Network Youth

sanofi



Edmonton, AB • Edmonton (Alberta)



Youth Science Canada
Sciences jeunesse Canada

sanofi

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CWSF Canada-Wide Science Fair
ESPC Expo-sciences pancanadienne

Sanofi Biogenius Canada Award

Prix Sanofi Biogenius Canada

Intermediate / Intermédiaire

Katelynn Standell

Set Phages to Kill: The Next Step in AMR

Southeast Alberta – Alberta

sanofi



Edmonton, AB • Edmonton (Alberta)



Youth Science Canada
Sciences jeunesse Canada

sanofi

bio^{genius}



CWSF  ESPC
Canada-Wide Science Fair  Expo-sciences pancanadienne

Sanofi Biogenius Canada Award

Prix Sanofi Biogenius Canada

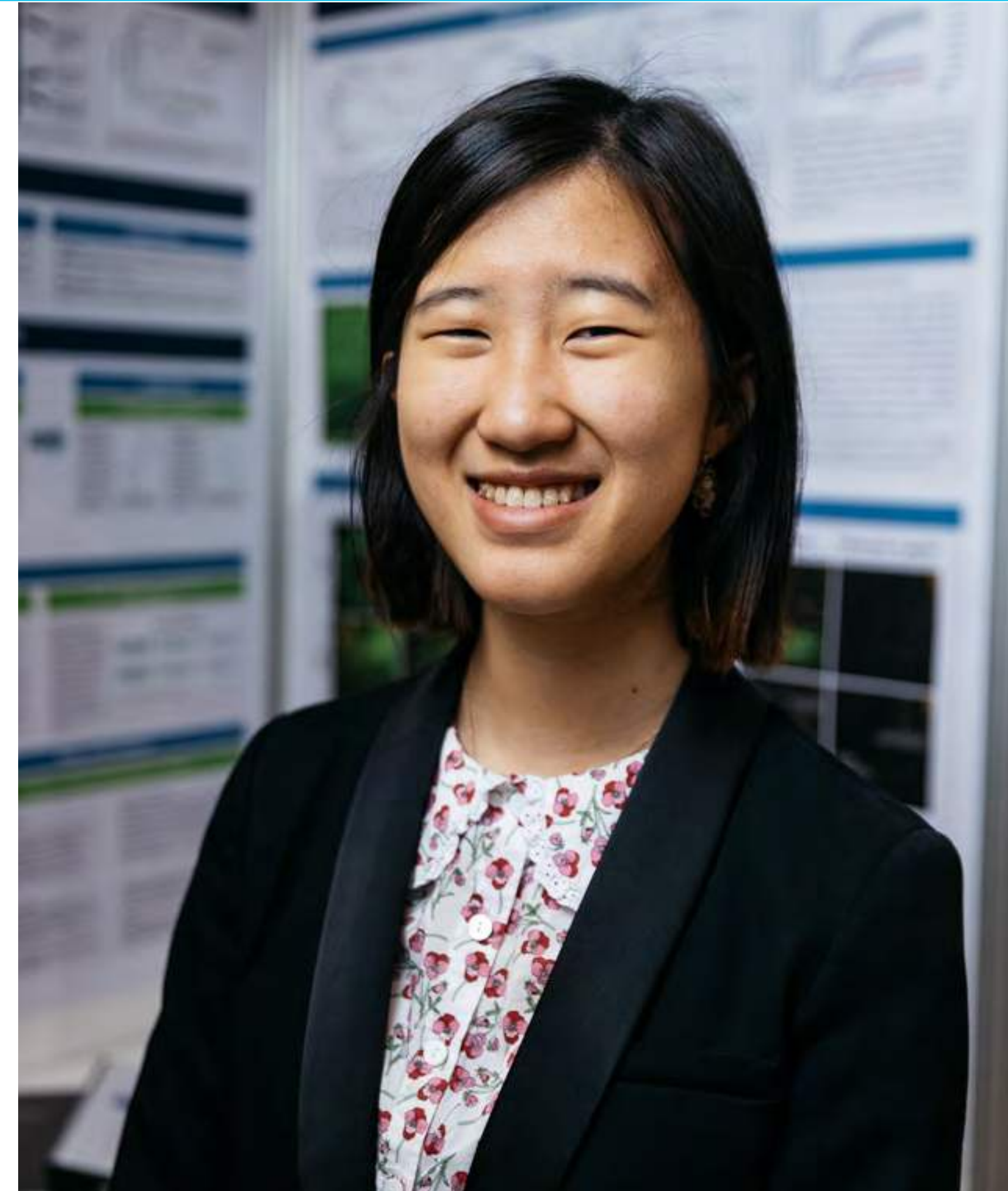
Intermediate / Intermédiaire

Ann Wang

Battling Bacterial Biofilms

Greater Vancouver – British Columbia

sanofi



Edmonton, AB • Edmonton (Alberta)



Youth Science Canada
Sciences jeunesse Canada

sanofi

bio^ogenius



CWSF Canada-Wide Science Fair
ESPC Expo-sciences pancanadienne

Sanofi Biogenius Canada Award Prix Sanofi Biogenius Canada

Senior / Sénior

Emily Baker

The Creden-SHELLS for a Plastic Replacement

Labrador, Western and Central NL – Newfoundland & Labrador

sanofi



Edmonton, AB • Edmonton (Alberta)



Youth Science Canada
Sciences jeunesse Canada

sanofi

bio^ogenius



CWSF Canada-Wide Science Fair
ESPC Expo-sciences pancanadienne

Sanofi Biogenius Canada Award

Prix Sanofi Biogenius Canada

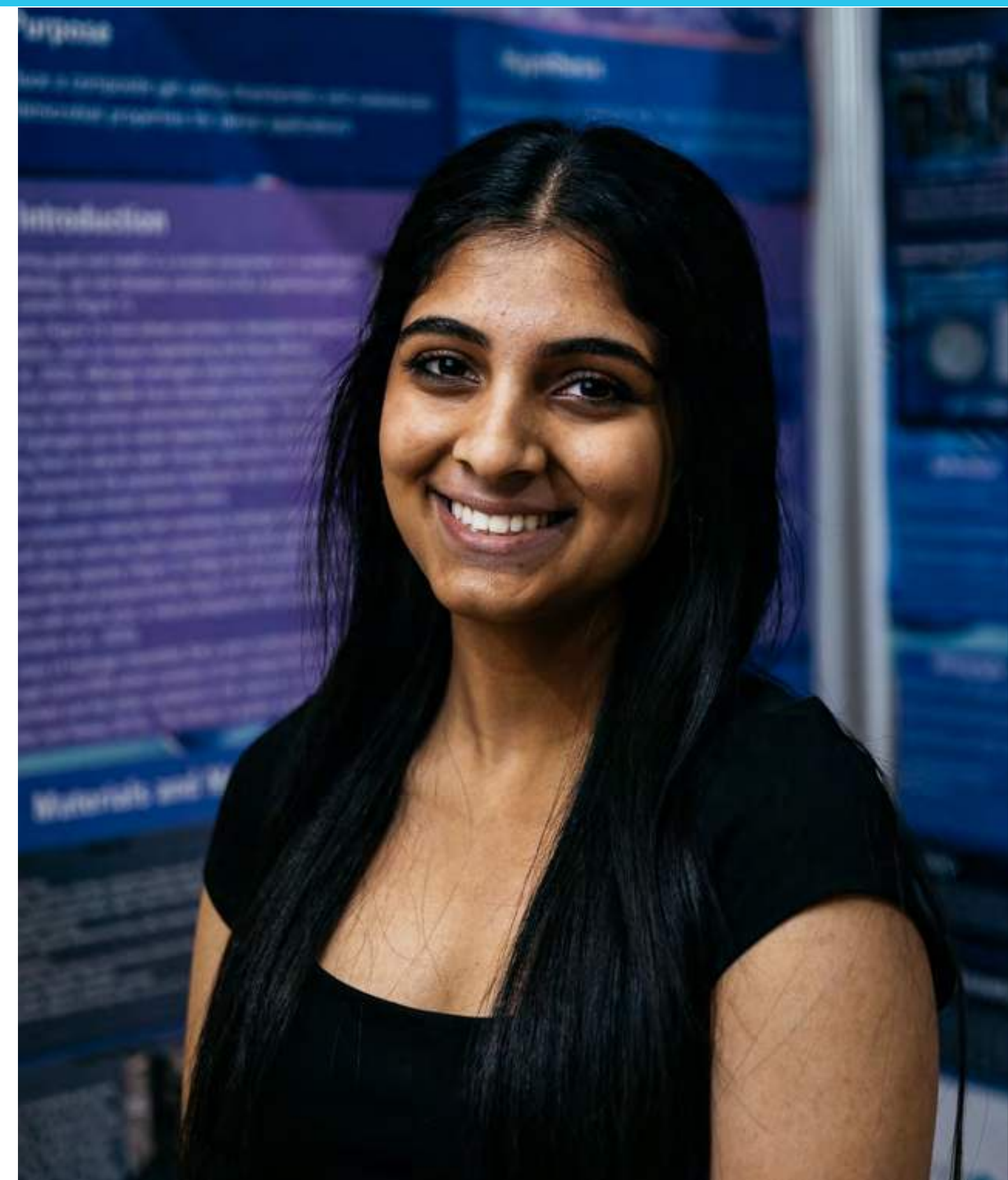
Senior / Sénior

Safia Deol

The IncrediGels: Multifaceted Biopolymers for Dental Procedures

Lambton County – Ontario

sanofi



Edmonton, AB • Edmonton (Alberta)



Youth Science Canada
Sciences jeunesse Canada



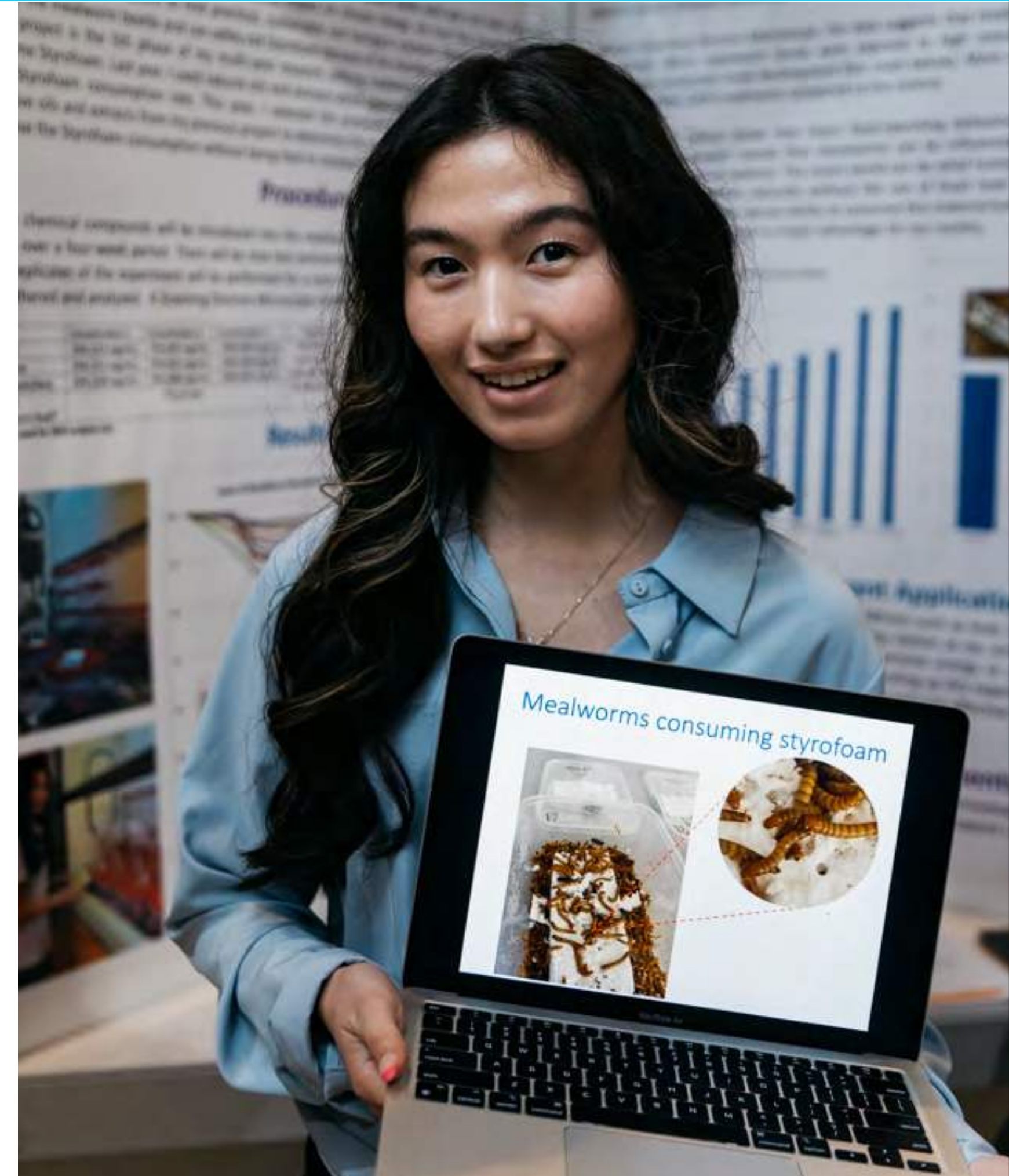
**Sanofi Biogenius Canada Award
Prix Sanofi Biogenius Canada**

Senior / Sénior

Marissa Magsino

Manipulating Tenebrio molitor with chemical compounds to maximize the biodegradation of polystyrene

Manitoba Schools Science Symposium – Manitoba



Youth Can Innovate Award
Prix jeunesse innovante

Junior

Tahlia Feldman

Battery Catastrophe

Simcoe County – Ontario

YOUTH CAN
INNOVATE



Youth Can Innovate Award
Prix jeunesse innovante

Junior

Richard Ilioukevitch

The Rescue Rangers Autonomous Robotic Search and Rescue System

Northwest Saskatchewan – Saskatchewan

YOUTH CAN
INNOVATE



Youth Can Innovate Award Prix jeunesse innovante

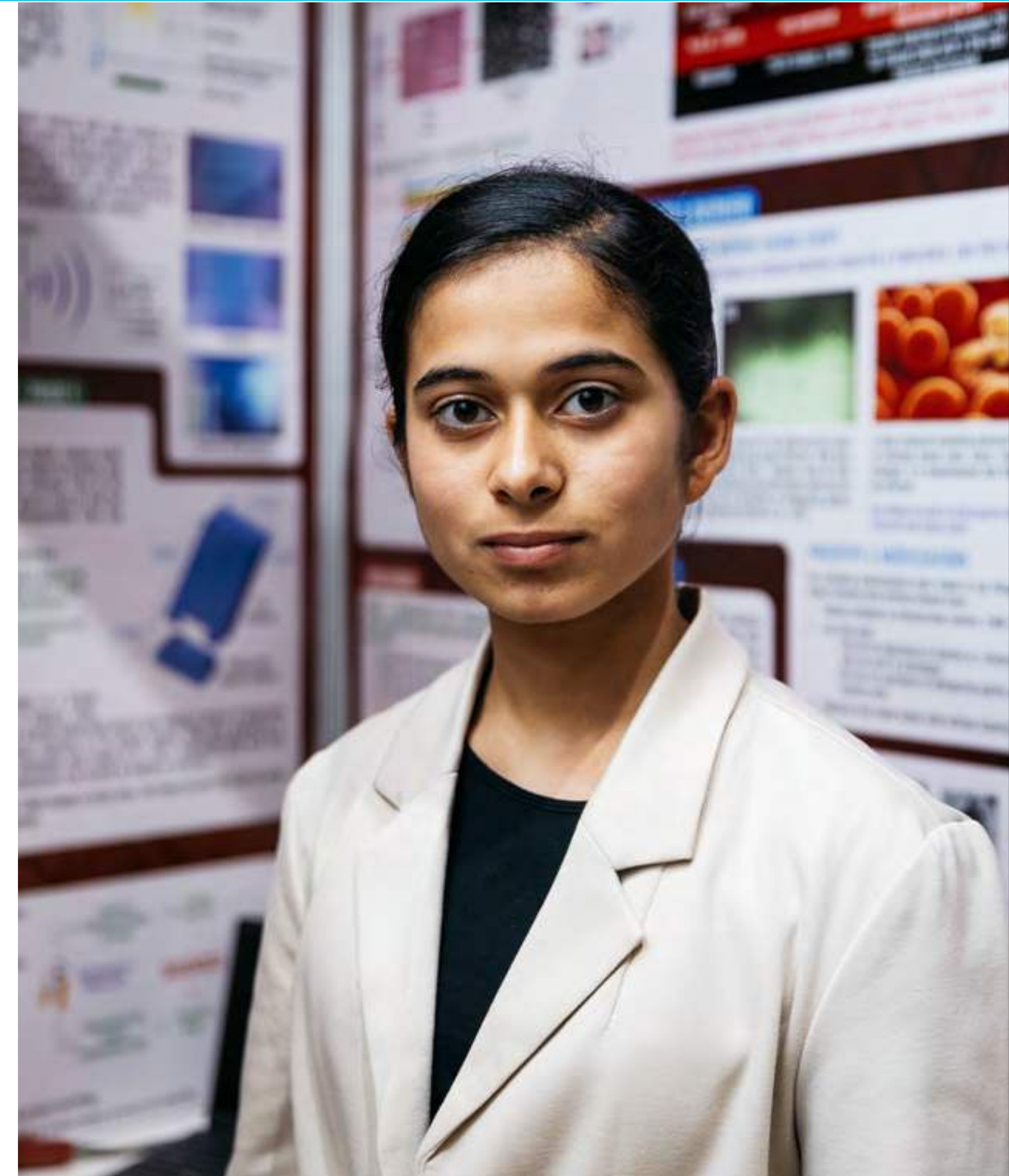
Junior

Gurnoor Kaur

MalaScope: A Deep Learning Enabled Lensless Microscope for the Rapid Detection of Malaria

Waterloo-Wellington – Ontario

YOUTH CAN
INNOVATE



Youth Can Innovate Award Prix jeunesse innovante

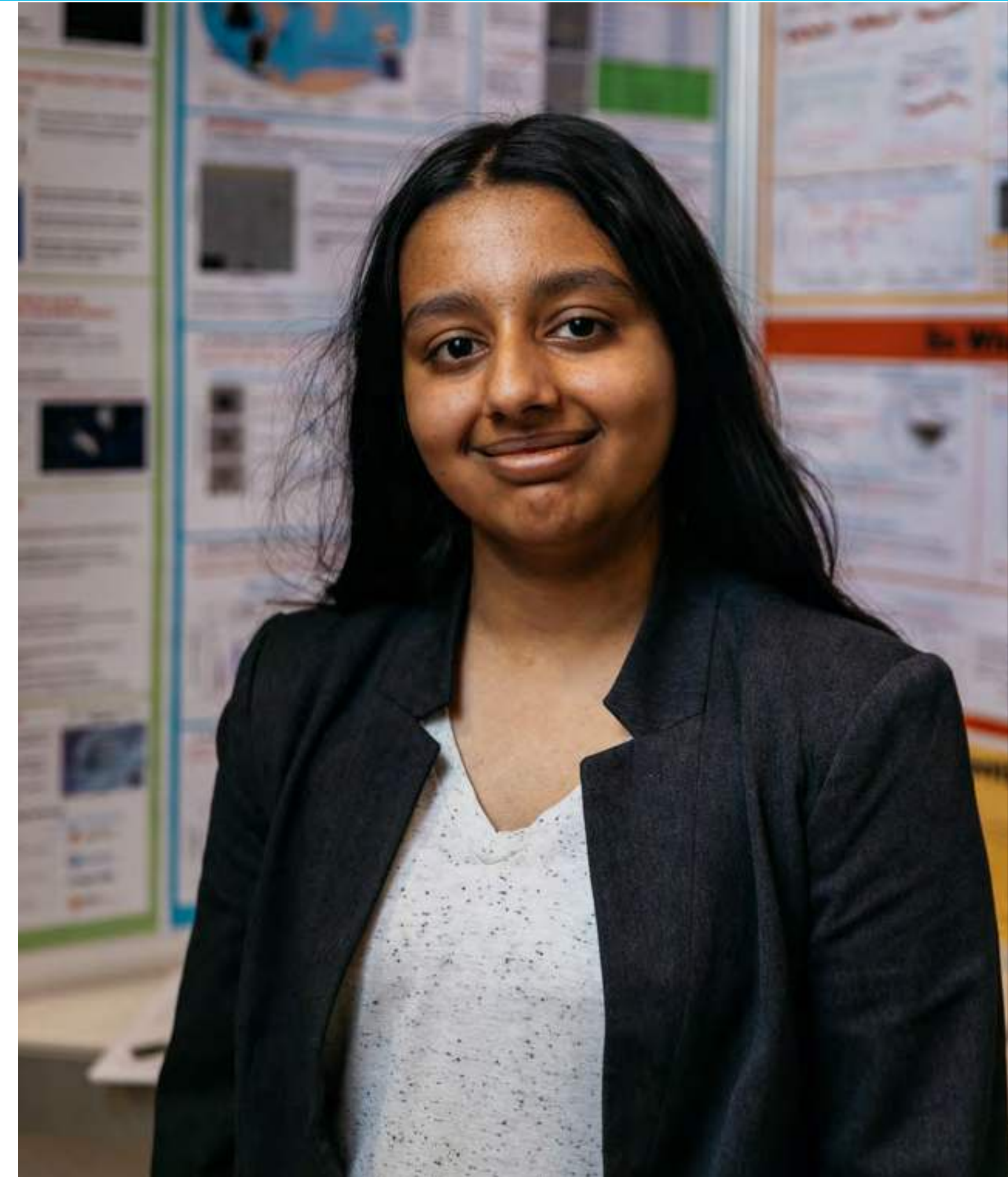
Junior

Arushi Nath

Developing algorithms to determine asteroid's physical properties and success of deflection missions

Toronto - Ontario

YOUTH CAN
INNOVATE



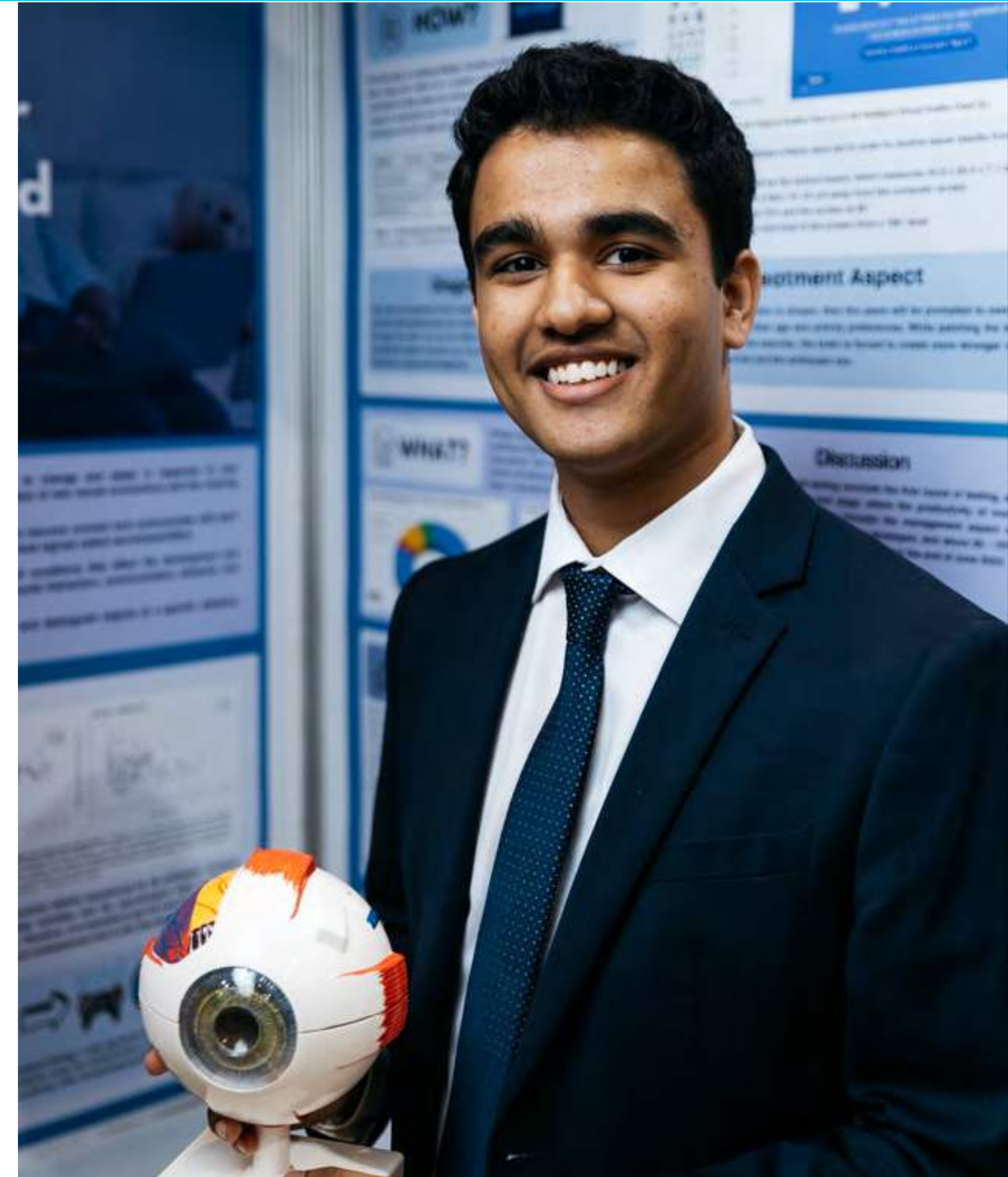
Youth Can Innovate Award
Prix jeunesse innovante
Intermediate / Intermédiaire

Ashish Chettimada

ReAlign: A Novel Solution for the Early Detection and Management of Amblyopia

Waterloo-Wellington – Ontario

YOUTH CAN
INNOVATE



Youth Can Innovate Award
Prix jeunesse innovante

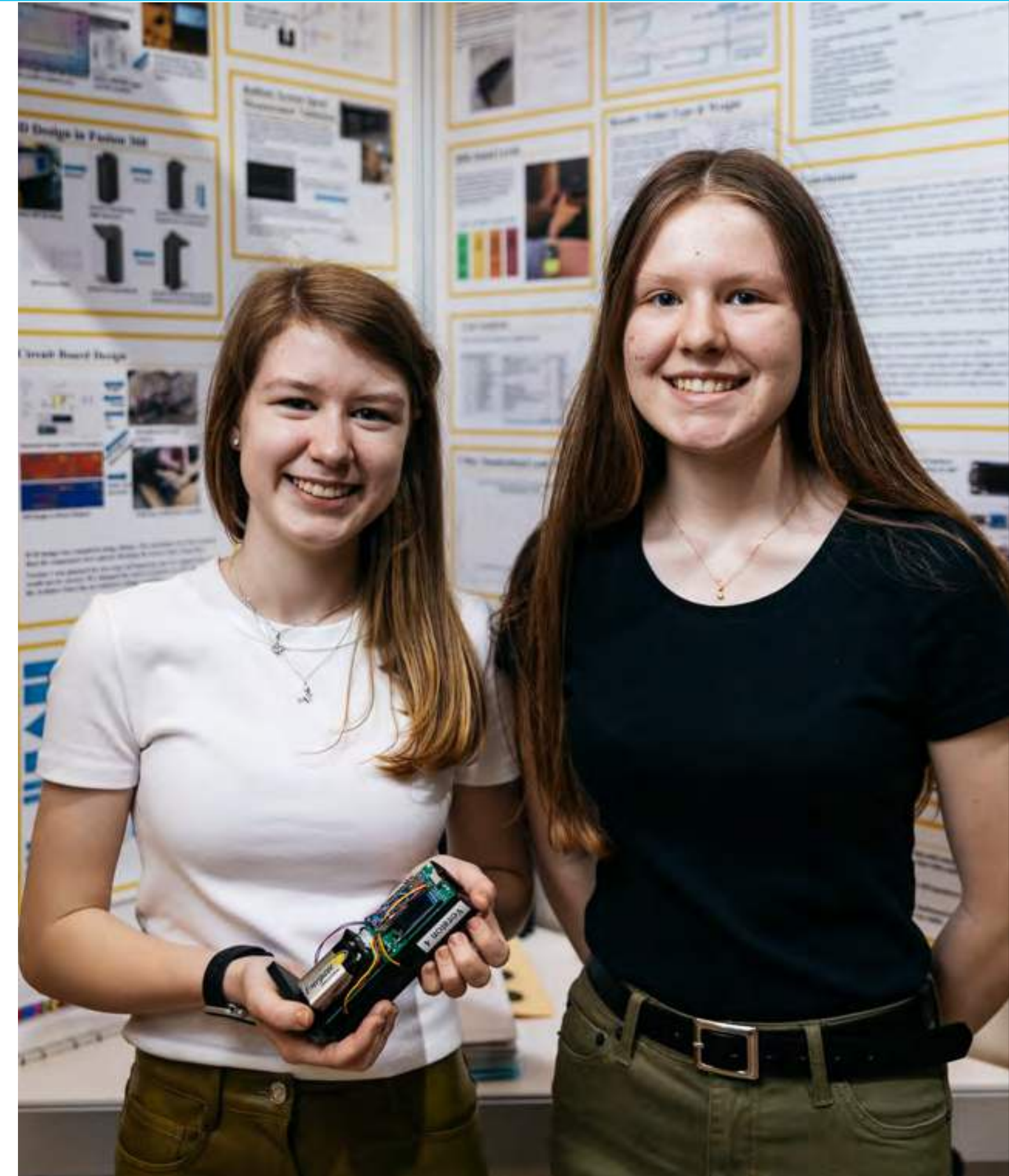
Intermediate / Intermédiaire

Chloe Filion
Sophie Filion

The Digital Air Rifle Ballistic Measuring Device

Niagara - Ontario

YOUTH CAN
INNOVATE



Youth Can Innovate Award
Prix jeunesse innovante

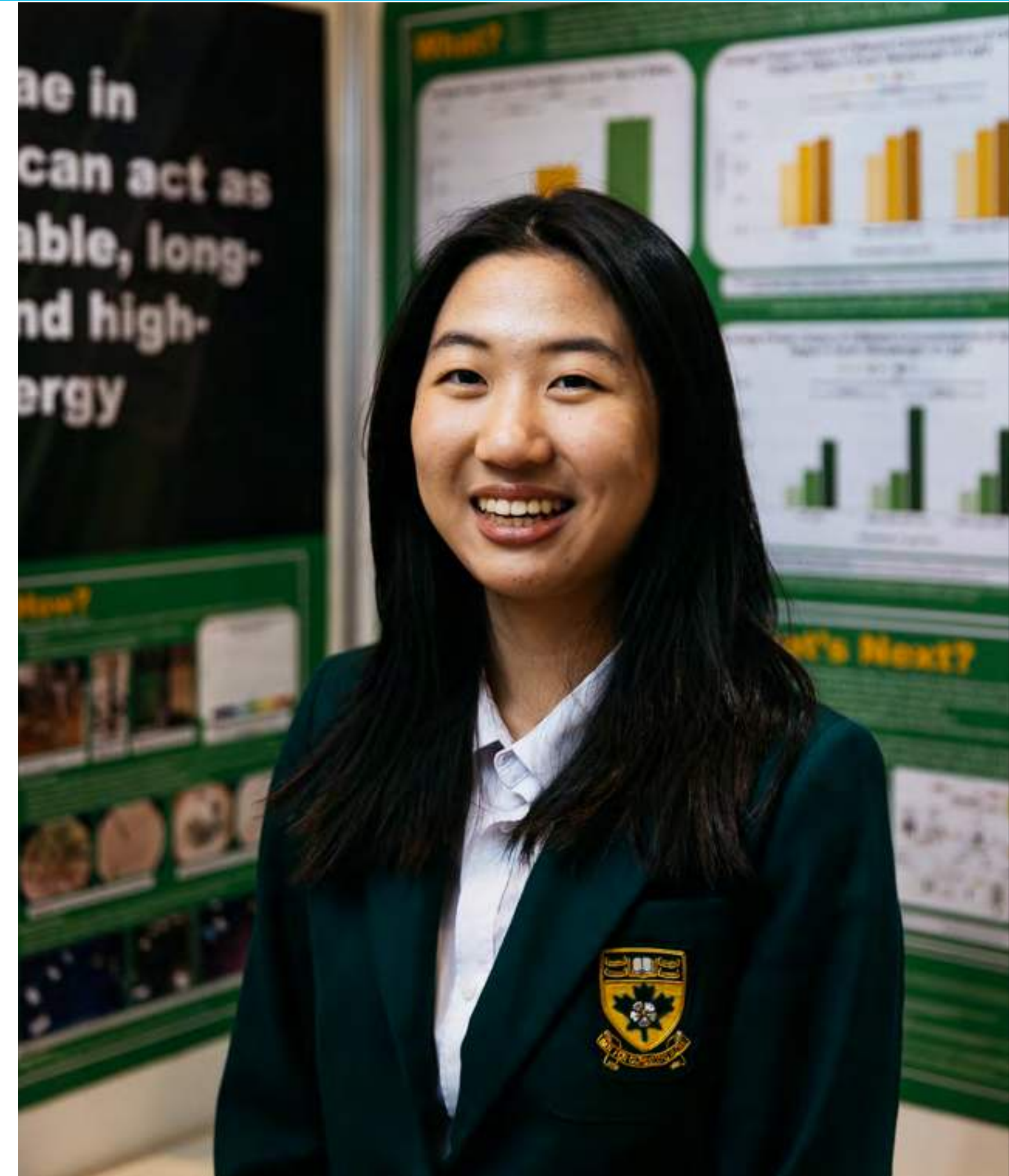
Intermediate / Intermédiaire

Veronica Guo

Biological Photovoltaics: Testing Algae for the Optimal Battery

Greater Vancouver – British Columbia

YOUTH CAN
INNOVATE



Youth Can Innovate Award Prix jeunesse innovante

Intermediate / Intermédiaire

Yurui Qin

A Novel Approach to Using Artificial Intelligence to Aid the Hearing Impaired

Saskatoon – Saskatchewan

YOUTH CAN
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Youth Can Innovate Award
Prix jeunesse innovante

Senior / Sénior

Mariane Angers

Vert Houlo₂ Wh

Réseau Technoscience – Québec

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Youth Can Innovate Award
Prix jeunesse innovante

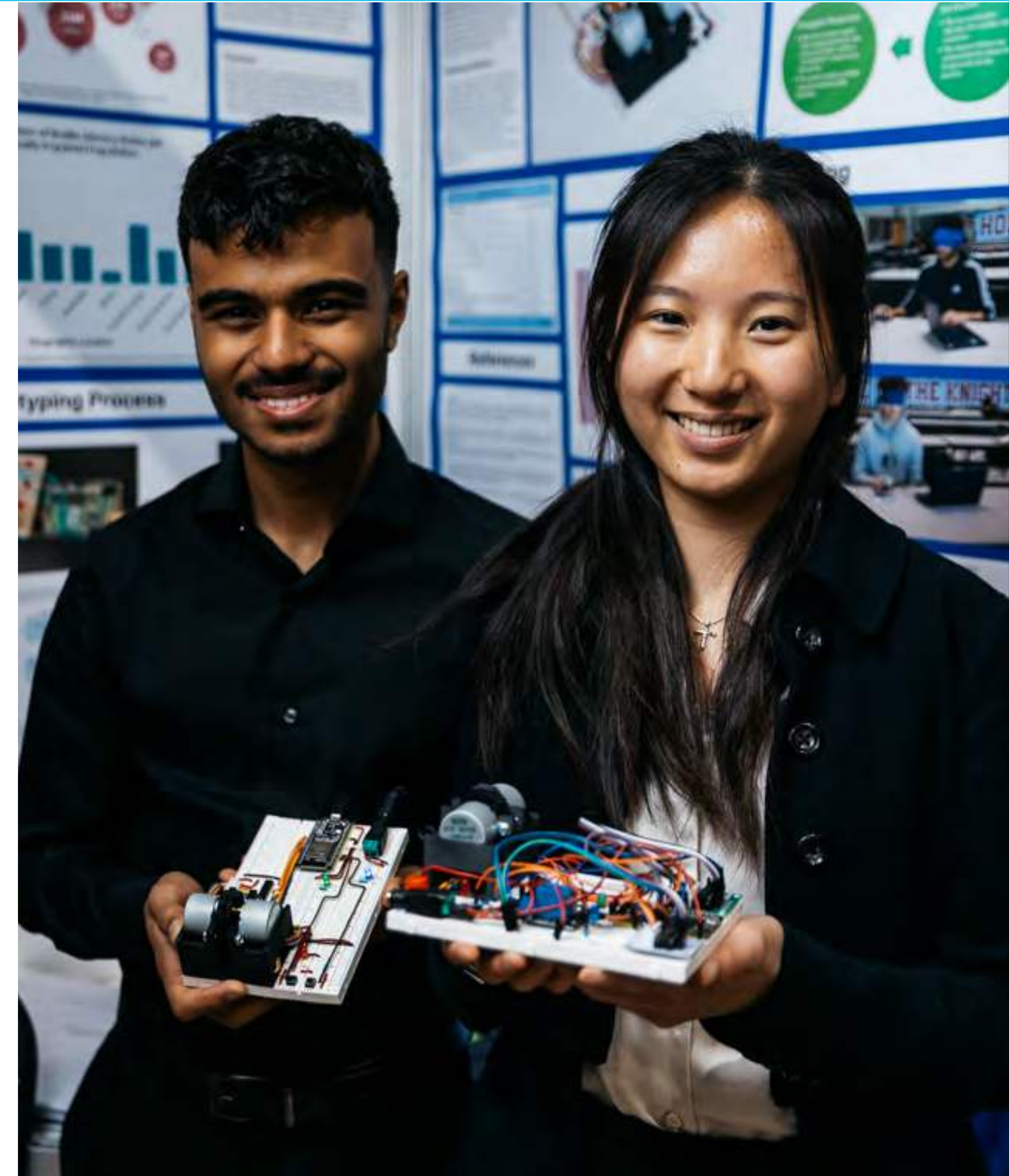
Senior / Sénior

Moulik Budhiraja
Katelyn Wu

Nail Braille: A Novel Approach Towards Braille Education

Waterloo-Wellington - Ontario

YOUTH CAN
INNOVATE



Youth Can Innovate Award Prix jeunesse innovante

Senior / Sénior

Keanu Chan

PRrecision Exospinal Constructive Innovative Stereotactic Evolution (PRECISE)

East Kootenay – British Columbia

YOUTH CAN
INNOVATE



Youth Can Innovate Award Prix jeunesse innovante

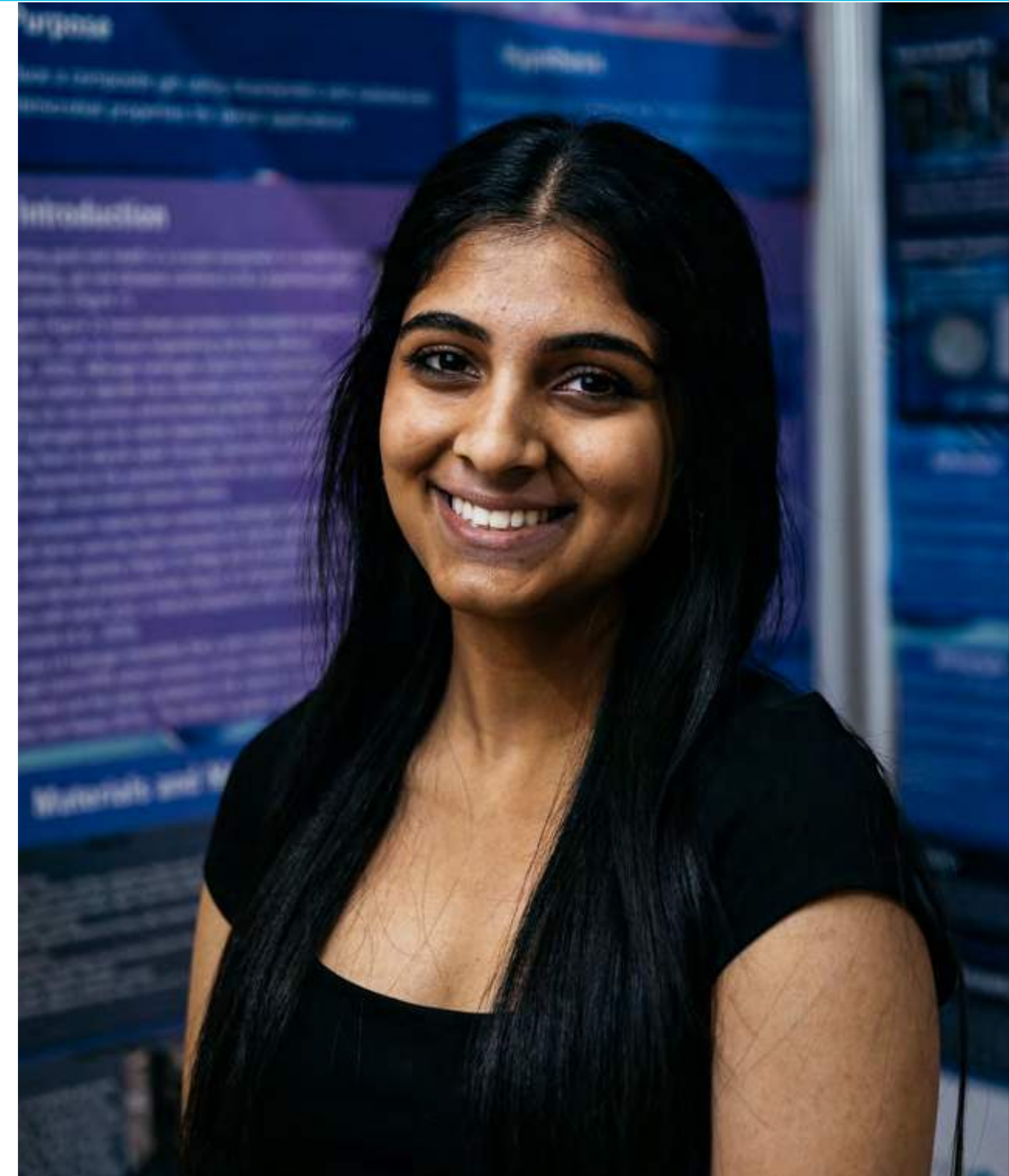
Senior / Sénior

Safia Deol

The IncrediGels: Multifaceted Biopolymers for Dental Procedures

Lambton County – Ontario

YOUTH CAN
INNOVATE



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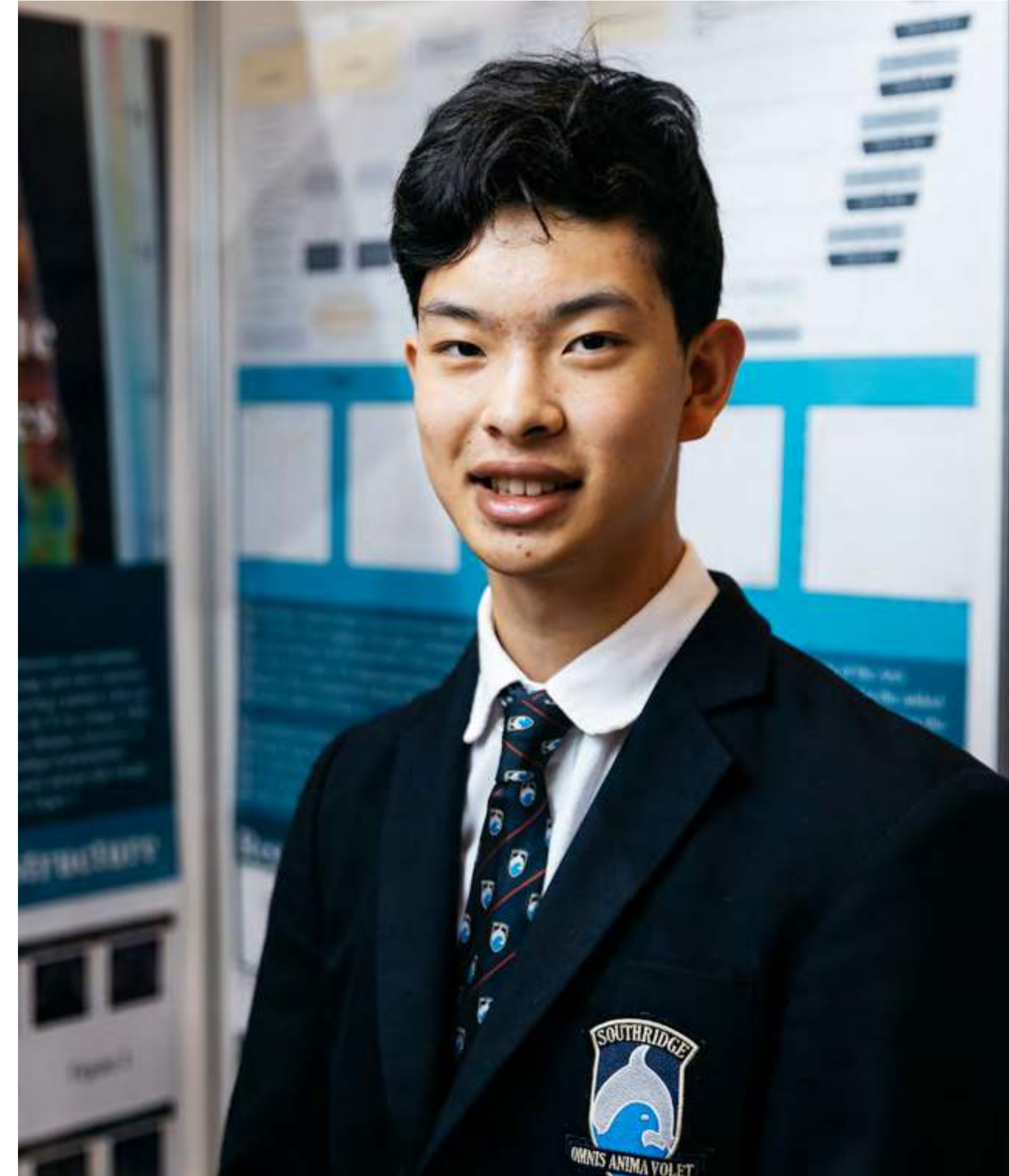
Senior / Sénior

Jonathan Gong

COVID-19 Chest X-ray Image Classification and Improved U-Net Segmentation

South Fraser – British Columbia

YOUTH CAN
INNOVATE



Youth Can Innovate Award Prix jeunesse innovante

Senior / Sénior

Vinny Gu

DermaScan: A Novel Approach to Skin Cancer Classification and Detection
Using ML Models

York - Ontario

YOUTH CAN
INNOVATE



Youth Can Innovate Award
Prix jeunesse innovante

Senior / Sénior

Albert Guo

Alzheimer's in 16x16 Words: Transformers for Biomarker-Based Diagnosis

South Fraser – British Columbia

YOUTH CAN
INNOVATE



Youth Can Innovate Award Prix jeunesse innovante

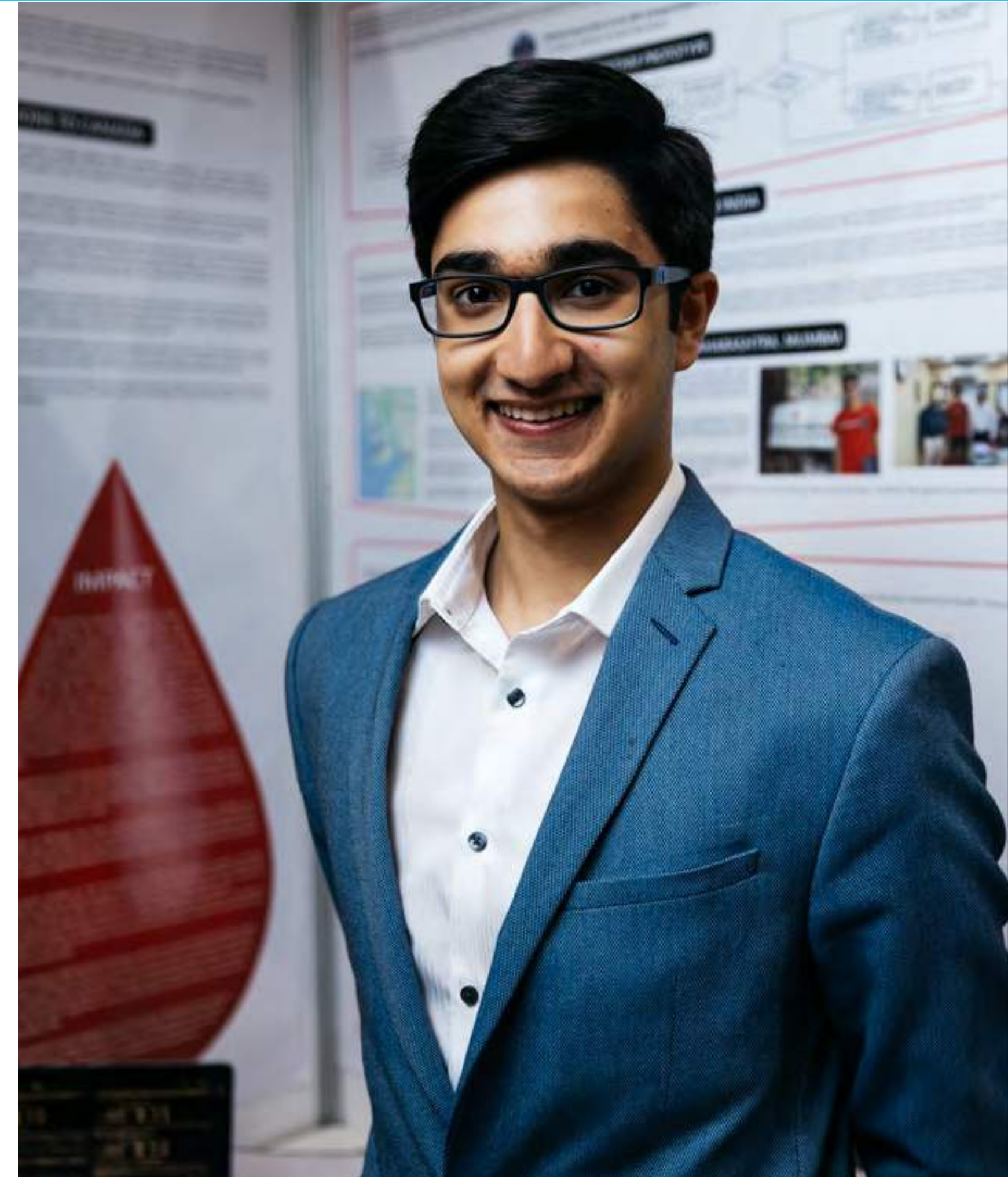
Senior / Sénior

Aahaan Maini

Circulate: Designing an Algorithmic Blood Distribution System to Tackle the Indian Blood Shortage

Bay Area - Ontario

YOUTH CAN
INNOVATE



Youth Can Innovate Award
Prix jeunesse innovante

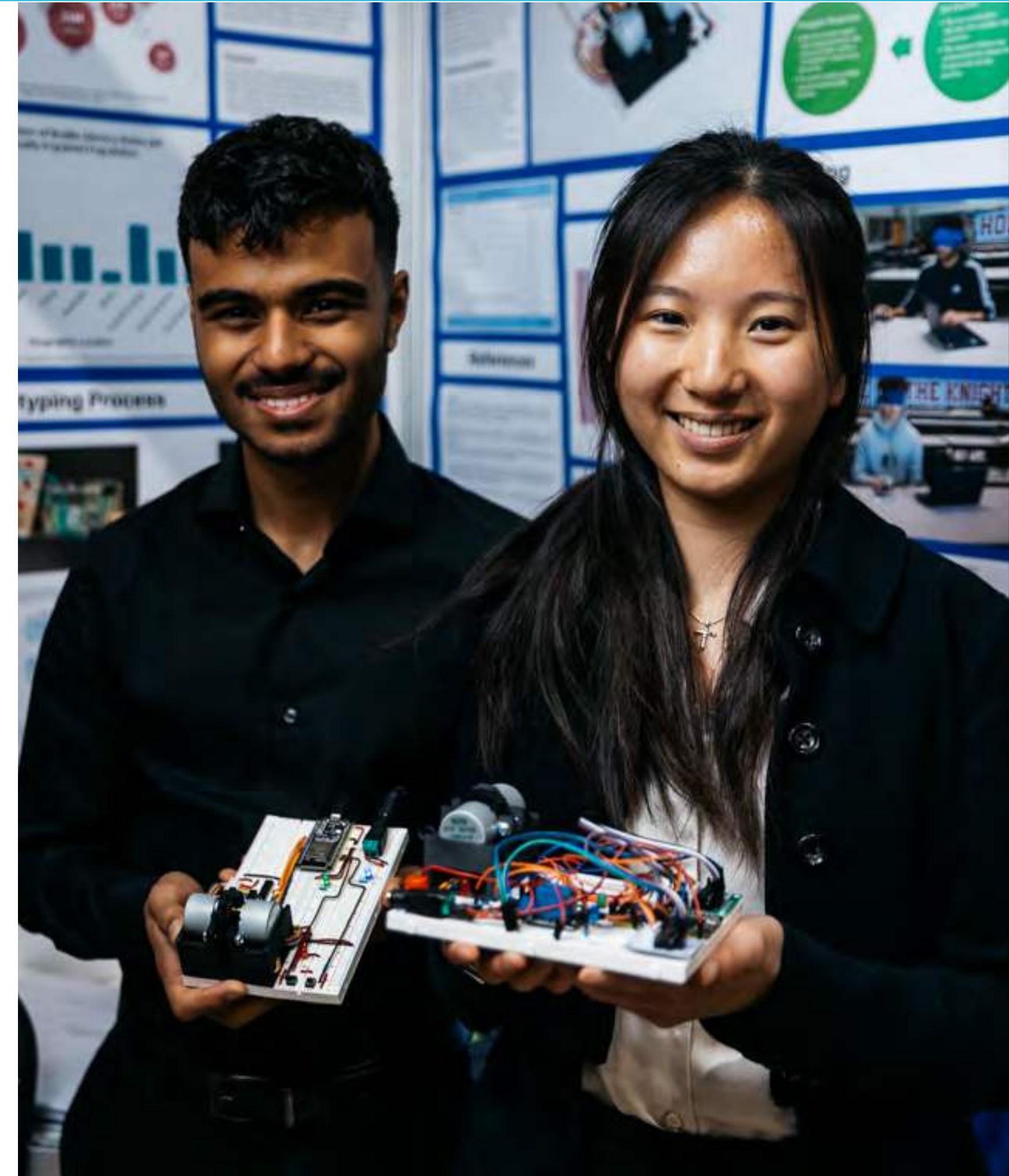
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Moulik Budhiraja
Katelyn Wu

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Waterloo-Wellington - Ontario

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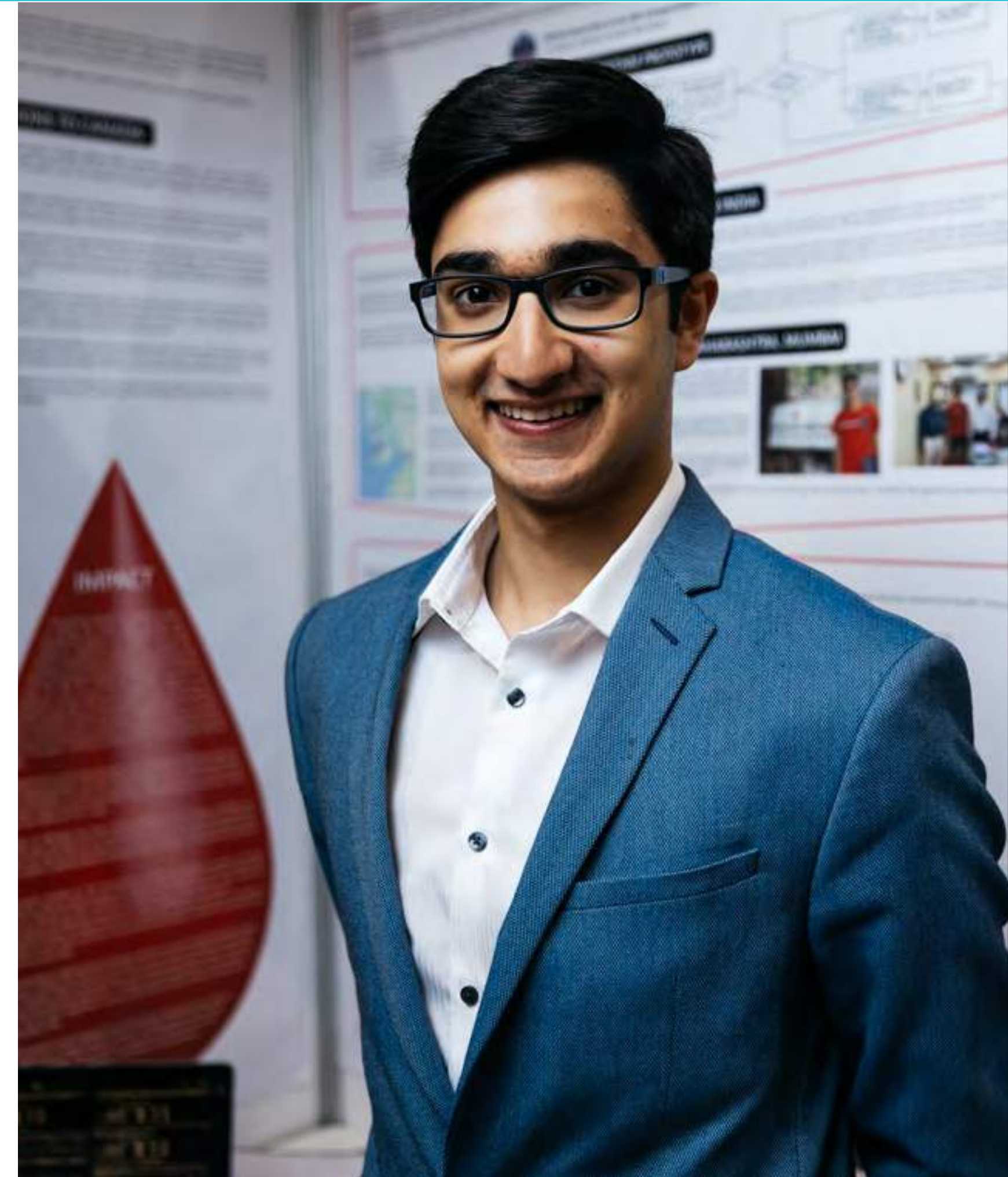
Senior / Sénior

Aahaan Maini

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Bay Area - Ontario

YOUTH CAN
INNOVATE



Platinum Award - Discovery
Prix platine - découverte

Junior

Andrei Marti

Sweet Scores

Vancouver Island - British Columbia



Platinum Award - Discovery

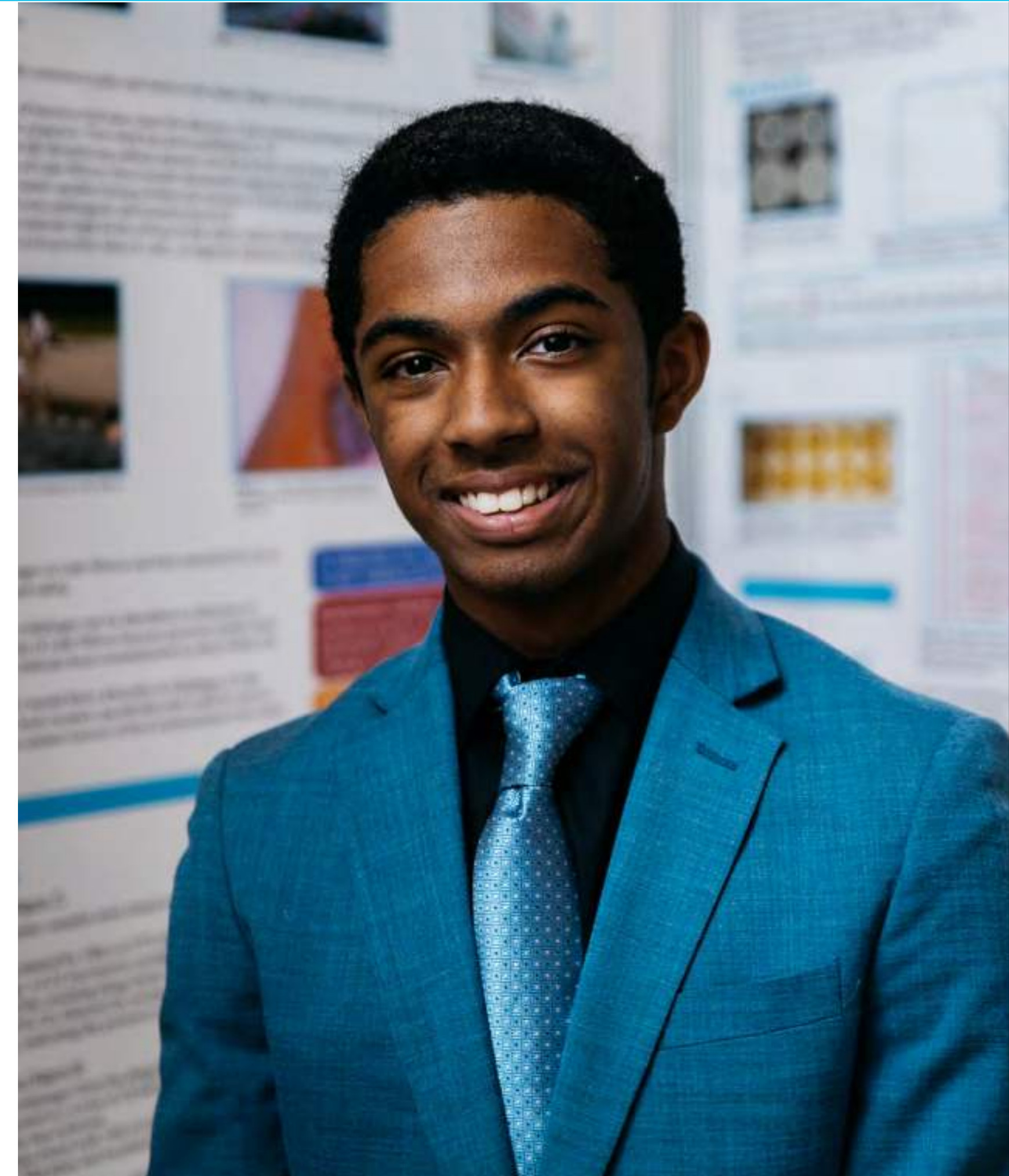
Prix platine - découverte

Intermediate / Intermédiaire

Noah Bryan

The Phage Takes Centre Stage for Water Quality Testing!

Canadian Black Scientists Network Youth



Platinum Award - Innovation

Prix platine - innovation

Intermediate / Intermédiaire

Yurui Qin

A Novel Approach to Using Artificial Intelligence to Aid the Hearing Impaired

Saskatoon – Saskatchewan



Platinum Award - Innovation

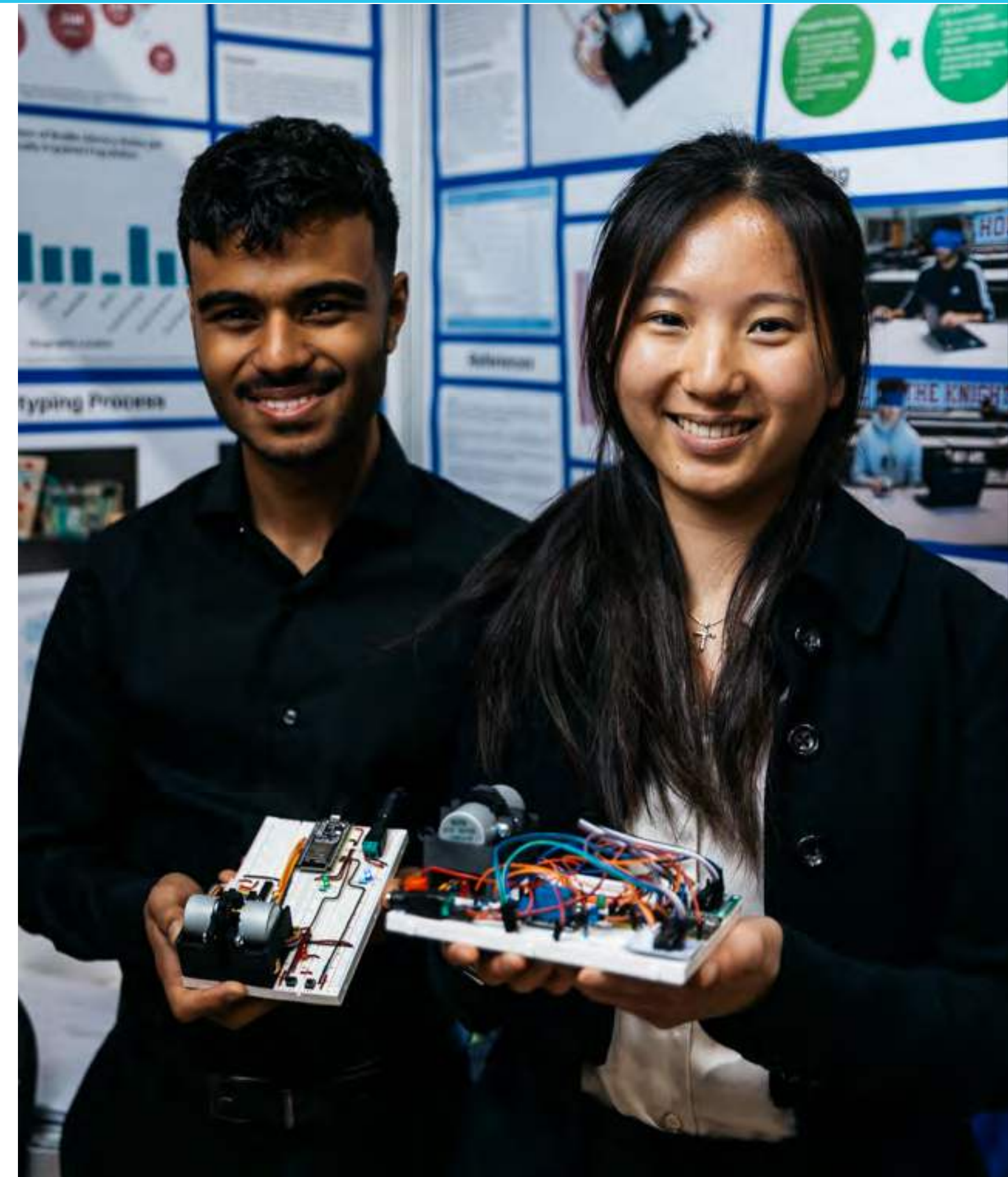
Prix platine - innovation

Senior / Sénior

Moulik Budhiraja
Katelyn Wu

Nail Braille: A Novel Approach Towards Braille Education

Waterloo-Wellington - Ontario

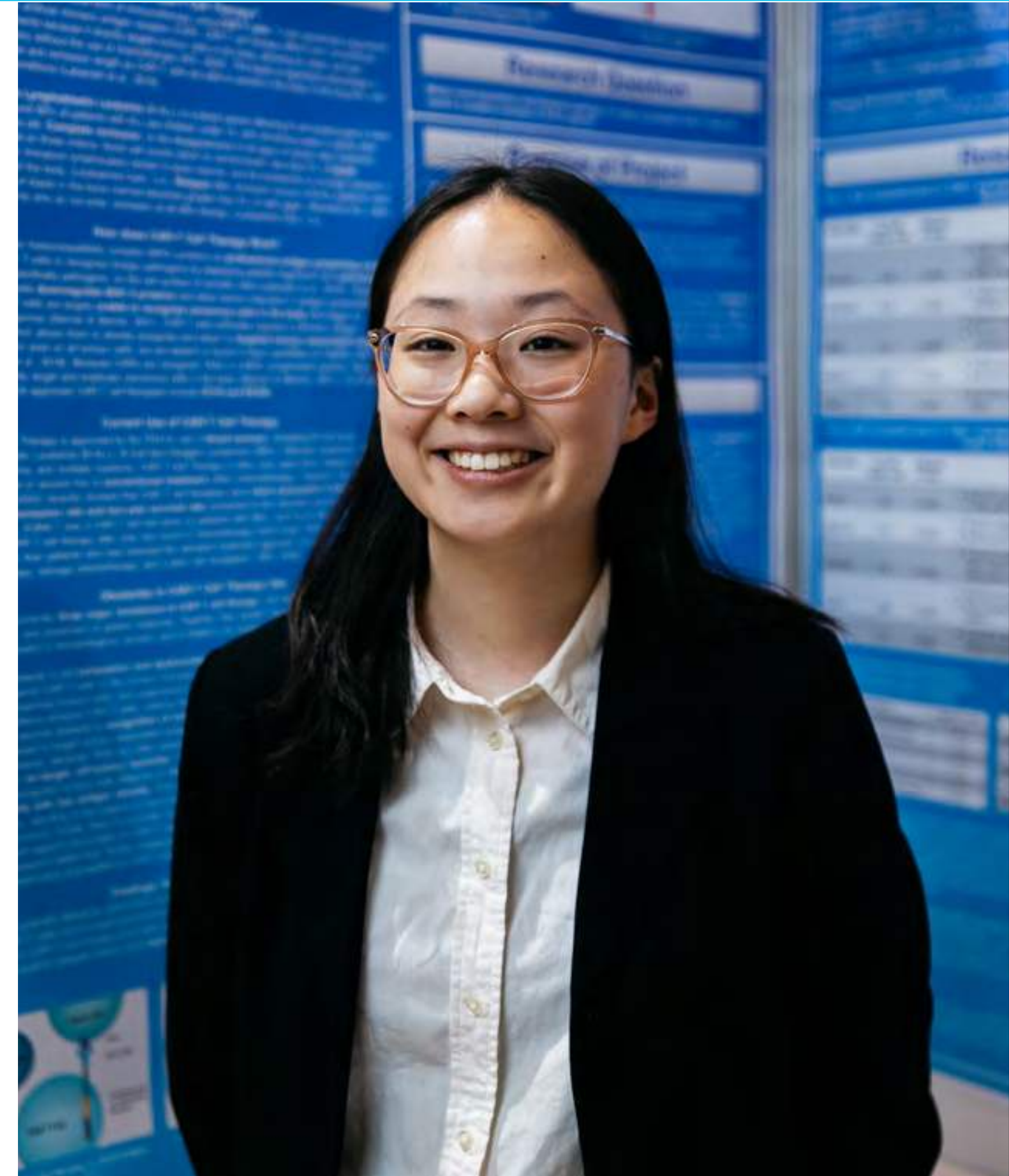


Best Project Award - Discovery
Prix du meilleur projet - découverte

Elizabeth Chen

Optimization of CAR-T Cell Therapy using RNA-Sequencing Analysis for Biomarker Identification

Edmonton – Alberta



Best Project Award - Innovation
Prix du meilleur projet - innovation

Arushi Nath

Developing algorithms to determine asteroid's physical properties and success of deflection missions

Toronto - Ontario

