

## Education —

### Bayview Secondary School

International Baccalaureate Diploma

Richmond Hill, Ontario

September 2017 - Present

- **Relevant Courses** - Chemistry (HL), Economics (HL), English (HL), Biology (SL), Calculus (SL), French (SL), Theories of Knowledge (SL), Extended Essay (Computer Science): Emerging quantum cryptography and encryption systems
- **Academic Performance** - Honour Roll (2017 - Present). Current Grade 12 Average: 96%
- **Activities and Societies** - Bayview Student Council Elected Grade 9 Representative, Bayview DECA Trainer, Bayview FBLA Trainer, Bayview Public Speaking Junior Executive, and Trainer

## Work Experience —

### The Pugh Lab, Princess Margaret Cancer Centre, UHN

Student Researcher

Toronto, Ontario

October 2020 - Present

- Creating data curation tools for CReSCENT ([crescent.cloud](#)) — a containerized, web-based, pipeline execution engine for standardized analysis of single-cell RNA sequencing data to support clinical workflows

### The John Dick Lab, Princess Margaret Cancer Centre, UHN

Research Intern

Toronto, Ontario

September 2020 - Present

- Applying single-cell transcriptome profiling and machine learning to quantitatively assess drug effectiveness and identify potential therapeutic combinations in AML hierarchies through pharmacogenomics and comprehensive genomic characterization.

### Baylor Scott and White Health

Summer Intern

Dallas, Texas

August 2019

- Shadowed physician rounds working in fields of trauma, hematology, and internal medicine in both the hospital and out-patient clinic environment at Texas' largest healthcare system in downtown Dallas

### The Grover Lab, St. Michael's Research Centre

Keenan Research Summer Student

Toronto, Ontario

June 2019 - July 2019

- Assisted with research on the transfer of endoscopic skills with an endoscopic simulation curriculum using EndoVR (CAE Healthcare) — a high-fidelity interventional virtual reality endoscopic simulator
- Supported UofT Medical residents (course participants) in troubleshooting difficulties with the virtual reality system, assisting with data entry tasks, patient roleplay, and reporting simulation-collected performance metrics

## Featured Projects —

### Ryde AI

Project Lead, Software Developer, and Co-Founder

Toronto, Ontario

April 2020 - Present

- Currently developing [self-driving software](#), leveraging Bluetooth to interface vehicle diagnostics with a smartphone application to enable self-driving features like automated lane centering and adaptive cruise control

### Kidogo

Project Consultant

Nairobi, Kenya

February 2020 - April 2020

- Created an [innovation plan](#) to increase mamapreneur profits by 43% and reduce childhood malnutrition with community sensitization workshops, sack farming pilot programs, and strategic partnership contracts

### Synbiolic

Software Developer and Project Lead

Toronto, Ontario

December 2019 - April 2020

- Created a [client-facing app](#) for computational drug discovery ([Microsoft Imagine Cup North American Finalist](#))
- Applied probabilistic deep learning and policy approximation to generate molecules and programmed retrosynthesis pathways to synthesize them to produce novel drug-ready molecules

**Sidewalk Labs***Quayside Project Consultant***Toronto, Ontario***November 2019 - February 2020*

- Created an [innovation plan](#) to reduce household expenditures through a sharing economy digital infrastructure that monetizes personal assets (selected from 50 teams to present at Sidewalk Labs headquarters to C-suite)

**LidLess***Project Lead***Vancouver, British Columbia***June 2019 - August 2019*

- Worked alongside Materials Engineering department at University of British Columbia to prototype an environmentally friendly, silicone-based coffee lid with mobile banking integration for local coffee shops
- Received first place standing (1/7 teams) after presenting to investors at the summer STEM program, SHAD

## Leadership and Volunteer Experience —

**The York Region Presidents' Council***Prime Minister***York Region, Ontario***September 2018 - Present*

- Coordinated 11 executives to represent 130,000 students of the York Region District School Board at board meetings
- Secured \$30,000 in funding \$3,000 in sponsorships to launch BLAST (Breaking Labels and Stigmas Together), the school board's largest annual mental health conference, and organize monthly general assemblies for students from 33 secondary schools (increased event attendance from 20 to 1,300 attendees across 3 years)

**The Richmond Hill Mayor's Youth Action Committee***Director of Logistics***Richmond Hill, Ontario***September 2016 - Present*

- Coordinated an internal team of 35 members for the conceptualization and execution of 5 annual, city-wide events to promote community involvement for the youth of Richmond Hill, attracting nearly 300 event attendees
- Created event created event itineraries, and sponsorship materials, collecting total of \$1,500 in donations

**TEDxYouth Toronto***Youth Organizer***Toronto, Ontario***June 2018 - November 2019*

- Sourced event speakers (Olympic gold medalists, world-class performers, Dragons Den Investors, and Masterchef Champions), and retained partnerships with Western Ivey, RBC, Shopify, and UofT, procuring \$15,000+ sponsorships
- Coordinated strategic marketing strategies; personally responsible for 20% of event applications