

## Brian Chen

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### Profile:

I am an aspiring software engineer who is comfortable leading and learning to innovatively tackle problems in the world around me. My greatest assets are my open-mindedness, interdisciplinarity, and eagerness to learn and adapt; I recognize that I will always have room for growth, and I am excited to do just that. With those tools, I look forwards to making meaningful contributions while working collaboratively to produce and ship novel solutions.

### Education:

- University of Toronto, BASc in Engineering Science September 2020 – 2024
  - Planned Machine Intelligence specialization
  - Engineering Project Developer, University of Toronto Machine Intelligence Student Team
- Eric Hamber Secondary School, Vancouver BC September 2015 – June 2020
  - Challenge & Studio Mini Program, President of 5 clubs, Physics TA (11, 12 & AP 1), 4.33 GPA
- Langara College, Vancouver BC September 2019 – June 2020
  - Concurrent enrollment alongside secondary school, 4.33 GPA

### Programming & Technical Experience:

- Experienced with Python, c/c++, HTML, SQL, and CSS
  - Machine Learning/AI experience: created image validation Siamese network, traffic sign classifier, and more.
  - Full-Stack development: created [grocercheck.ca](https://grocercheck.ca) and accompanying highly scalable custom backend data collection & databasing solution
- Functional understanding of x64 assembly, Java, JavaScript, Bash, and XML
- Led Physics Olympics vacuum pump design team: CAD, Arduino & PC systems build experience
- CCC Programming Competition Distinction

### Work Experience:

- Co-Founder & Full-Stack Developer: GrocerCheck Foundation NPO** April 2020 – Present
- Created GrocerCheck foundation, a registered non-profit centered around [grocercheck.ca](https://grocercheck.ca), a web application that aggregates and visualizes local grocery store business servicing cities across North America
  - Lead student team; oversaw press relations, software development, product management, marketing, business operations, etc.
  - Secured support, funding, and partnerships valued at >\$100,000

- Independent Full-stack Development & Data Aggregation Contractor** April 2020 - Present
- Helped clients create complete & effective near-live data visualization & collection solutions
  - Drafted mock-ups and worked with client to pinpoint project scope & estimates

- Boba Barista: Happy Lemon Robson, Vancouver BC** July 2018 - May 2019
- Provided friendly and effective customer service: took & prepared orders, operated POS
  - Helped train new employees: created English translation of recipes & procedures, enabling new employees to overcome a language barrier to their employment

- Coach & Receptionist: Badminton Vancouver, Vancouver BC** July 2017 - April 2018
- Processed cash and card payments, maintained cleanliness, planned and executed lessons

- Independent Ethereum Mining Rig Contractor** July 2017 - 2018

- Built and oversaw medium-scale mining operations for two clients

- Production Assistant: Watermark Beverages Inc., Vancouver BC** Summer 2017

### Volunteer Experience:

- Hackcouver, Vancouver BC** September 2019 - Present

- Student ambassador & volunteer for Hackcouver STEM-Business hackathon contest

- FreeGeek, Vancouver BC** July 2017 - Present

- Dismantled, sorted, and refurbished electronics for recycling, sale, and donation

- Eric Hamber Secondary, Vancouver BC** September 2015 - Present

- Service Club president: volunteer service coordinator for all school events

### Other:

- **Badminton:** ClearOne Nationals Team, Eric Hamber Provincial Team Captain & Assistant Coach
- **Theatre:** Wrote and directed full-length show: oversaw actors, crew, set design, and creative process
- **Awards/Other:** 2018 Junior Badminton Nationals finalist, Schulich Leadership Scholarship nominee, Bert & Greta Quartermaine Badminton Scholarship Recipient, BC District Scholarship Recipient, Canada Service Corps Student Service Grant recipient, avid home cook