BRIAN CHEN

Student & Aspiring Software Engineer

@ brianchen.chen@mail.utoronto.ca 📞 +1 (778)-681-4322 ✉ 6090 Beatrice St. V5P 3R2 🌐 chenbrian.ca
in linkedin.com/in/brianchen28914 ○ github.com/ihasdapie

EXPERIENCE

Co-Founder & Developer
GrocerCheck Foundation

📅 April 2020 – Ongoing 📍 Vancouver, BC

- Founded GrocerCheck Foundation, a **registered non-profit** centered around https://grocercheck.ca
- Lead team; oversaw software development, press relations, product management, marketing, business operations, etc.
- Secured support, funding, grants, and partnerships valued at **>$200,000**

Full-stack Development & Data Aggregation Contractor
BC Parks Foundation

📅 July 2020 – November 2020 📍 Vancouver, BC

- Designed & implemented near-live data visualization & collection solution + accompanying web presence for provincial parks in BC: launching soon!

Summer jobs: Boba Barista & Badminton Coach
Happy Lemon, Badminton Vancouver

PROJECTS

GrocerCheck Website
GrocerCheck Foundation

- Created https://grocercheck.ca, a web application that aggregates and visualizes local grocery story busyness servicing 10 major international cities and > 15,000 stores
- Implemented highly scalable framework to meet growing demands
- Built on **Django**, **PostgreSQL**, **AWS**, and custom **LivePopularTimes** scraping library – now used by many other COVID-safety projects!

Simulation & Systems Team Member
aUToronto

📅 Sept 2020 – Ongoing 📍 Toronto, ON

- Extensible evaluator **ROS** node for simulation, validation, and CI/CD
- Concept design report (CDR) & DFMEA analysis for autonomous driving software systems

Project Lead - "The Humerus Bot"
University of Toronto Machine Intelligence Team

📅 Sept 2020 – Ongoing

- An applied NLP ML project designed to win Cards Against Humanity, a humor-based party game (*in progress*)

Other

- *"SigVer"*, a **Siamese** neural network for signature authentication with >90% accuracy
- *"butternut"*, a chrome extension that detects AI-generated text. nwHacks bronze, KPMG Data Analysis & Groundswell Salesforce Award

EDUCATION

BASC. in Engineering Science
University of Toronto

📅 2020 – 2025 📍 Toronto, ON

Planned major in Computer Engineering with MI minor. cGPA 3.85

Eric Hamber Secondary

📅 2015 – 2020 📍 Vancouver, BC

Langara College

Concurrent enrolment with studies at Eric Hamber Secondary

PROGRAMMING LANGUAGES

Python | c/c++ | rust | SQL | bash | MATLAB | assembly | java | CSS | HTML

TOOLS & LIBRARIES

Django | Keras | Cloud computing | Arduino | Android | Git | Docker | PostgreSQL | MongoDB | Hugo | ROS | UNIX tools | LaTeX | CAD

INTERESTS

FOSS | Linux | Vim | Production-Scaling | Reliability | AI | Autonomous Vehicles | Badminton | Cooking

OTHER

- **Badminton**: ClearOne Nationals Team, Eric Hamber Provincial Team Captain & Assistant Coach, 2018 Junior Nationals Finalist
- **Theatre**: Wrote and directed full-length show: *'To Bleach a Pigeon'*. Oversaw actors, crew, set design, and creative process
- **Awards**: Schulich Leadership Scholarship nominee, Bert & Greta Quartermaine Badminton Scholarship Recipient, BC District Scholarship & BC Achievement Scholarship Recipient, Canada Service Corps Student Service Grant