

Education

University of Waterloo and Wilfrid Laurier University

Waterloo, Ontario

September 2021 - August 2026

CANDIDATE FOR HONOURS COMPUTER SCIENCE AND BUSINESS ADMINISTRATION (DOUBLE DEGREE)

- **GPA: 3.98** (95.17%)
- **Awards:** President's Scholarship of Distinction (\$2000)

Skills

Languages TypeScript/JavaScript, Python, C/C++, Java, Racket

Technologies Node.js, React.js, Express.js, MongoDB, Figma, Postman, **ETEX**

Experience

Software Developer Intern

Toronto, Ontario

ORBISEED TECHNOLOGY INC.

May 2022 - August 2022

- Implemented and maintained backend REST API endpoints in Express.js, ensuring high quality code using Inversion of Control principles, unit
 tests spanning 80%+ coverage, and integration tests on all new endpoints
- Initiated action to improve team-wide processes, including: standardizing integration tests on **Postman** and adopting feature flag variables
- Demoed 2 major feature releases made with React.js during sprint review meetings, receiving acclaim from upper management for excellent communication ability
- Developed product features and solved critical bugs as an Agile software engineer, resulting in a 12% increase in story points delivered

Junior Software Developer

Windsor, Ontario

THE FIRST PROTOTYPE

July 2021 - September 2021

- Automated spreadsheet maintenance and data access using JavaScript/Google Apps Scripts to perform auto-triggered actions and handle Google Forms inputs, resulting in a 25% increase in efficiency
- Developed and contributed to company websites, including: drafting design specifications with lead designer using **Figma**, ensuring mobile responsiveness using **Bootstrap**, and coordinating with managers to publicize contributions

Private Math Tutor Windsor, Ontario

SELF-EMPLOYED

October 2018 - June 2021

- Increased grades of students by an average of 20% by delivering personalized math lessons and academic mentoring sessions
- Enriched students' understanding of the Ontario high school math curriculum over 50+ sessions, increasing students' confidence in writing CEMC math contests

Projects

Staple Studio Startups (Winner of Staples Studio Challenge)

Hack the 6ix 2022

${\tt Mongodb, Express.js, React.js, Node.js}$

August 2022

- Developed an entrepreneurial solution for a Staples-sponsored challenge, involving a **MERN stack** web app designed to accelerate startup growth
- Implemented an interactive frontend interface using React. js and MaterialUI that displays statistical trends and collects user feedback on startups
- Completed a backend server using **Express.js** and **Node.js** which aggregates and analyzes database entries while using **REST API** endpoints to send and receive data
- Programmed efficient document-schemas for a MongoDB database, using Mongoose to facilitate interactions with the backend server

Dropcase: Broadening Horizons (Co-Winner of Dropbase Technical Case Challenge)

TheGoldenHack 3.0

PYTHON, FIGMA, PANDAS, HTML, CSS

October 2021

- Developed a financial solution for a case study on **Dropbase**, involving a token system based on financial predictions made using **Pandas**
- Presented a graphical solution made using Figma that would yield an average profit margin of 50%

QuaranTravel MasseyHacks VII

PYTHON, PYGAME

May 2021

 Developed a GUI using Python and Pygame that displays real-time pandemic and travel-related information, on an interactive world map with support for 16 countries