

EXPERIENCE

- **OANDA Corporation**

Software Engineer Intern

May 2020 - August 2021

- **Trading Systems:** C++ and Python application development

EDUCATION

- **University of Toronto Mississauga**

Computer Science Specialist

Sep. 2018 - Apr. 2022

- **University of Toronto Scholar**
- **2018-2020 Dean's List Scholar**

PROGRAMMING SKILLS

- **Languages:**

- **Proficient:** Golang, Python, Java, JavaScript/TypeScript
- **Competent:** C/C++, Rust, C#

- **Technologies:** Amazon Web Services, Docker

- **Tools:** Linux, Bash, Git

PROJECTS 🔄

- **Nikel API:** Free and open data API for the University of Toronto.

- **RESTful API:** RESTful API using Gin Web Framework.
- **Selenium WebDriver and BeautifulSoup:** Web scraping and data parsing.
- **Caching:** Requests are cached and stored in a persistent key-value database (backed by GoLevelDB or BadgerDB).

- **MikuBot:** General purpose Discord bot serving more than 1000 servers.

- **Amazon DynamoDB:** Database for backing up server data.
- **Docker:** Ready to deploy Docker image.

- **Decentralized Text Chat Web App:** Peer to peer text chat using WebRTC.

- **Dscli:** A command-line tool for storing files on Discord at reasonable read and write speeds.

- **Quteman:** A simple Postman alternative written in Qt.

- **Resauce:** A work-in-progress file rename utility written in Qt. Developed with a team of two.

- **Gomatheval:** Evaluates basic math expressions in Golang using Shunting Yard and Reverse Polish.

- **Mal-api:** PyPi library for querying data from MyAnimeList

- **TicTacToe Engine:** Implemented in Rust using a minimax algorithm.

- **Jikan-go:** Golang wrapper for Jikan API.

INVOLVEMENTS 🔄

- **V Programming Language:** Simple, fast, safe, compiled language for developing maintainable software.

- **Contributor:** Worked on fixing bugs for the V compiler and parser. Also made improvements to V's standard library.

- **UTM Robotics:** utmrobotics.com (currently archived)

- **Lead Web Developer:** Worked on website redesign. Website built with Jekyll.