

## EXPERIENCE

---

- **Oanda Corporation**  
*Software Engineer Intern* May 2020 - August 2021
  - **Forex and CFD Trading Systems:** C++ and Python microservices development

## EDUCATION

---

- **University of Toronto**  
*Computer Science Specialist* Sep. 2018 – Apr. 2023
  - **University of Toronto Scholar**
  - **2018-2020 Dean's List Scholar**

## PROGRAMMING SKILLS

---

- **Languages:** Golang, C/C++, Python, Java, Scala, JavaScript/TypeScript
- **Technologies:** Amazon Web Services, Docker
- **Tools:** Linux, Bash, Git

## PROJECTS 🌐

---

- **Nikel API:** Free and open data API for the University of Toronto.
  - **RESTful API:** Using the 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 5,000 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.