

Daren Liang

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EXPERIENCE

- **Oanda Corporation**

Software Developer 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:** Go, C/C++, Python, JavaScript/TypeScript, Java, Scala, SQL
- **Technologies/Tools:** AWS, Docker, React.js, Vue.js, Qt

PROJECTS 🌐

- **Nikel API:** Free and open data API for the University of Toronto.
 - **RESTful API:** Using the Gin Golang web framework.
 - **Selenium WebDriver and BeautifulSoup:** Web scraping and data parsing.
 - **Caching:** Requests are cached and stored in a key-value database backed by 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.