Daren Liang
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 darenliang
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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**: 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 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.