

RUYI LI

First-year university student with a passion for computer science and software engineering



Experiences

- present
2020
- **Chief Technology Officer**
AlumNav Inc. 📍 www.alumnav.com
- Platform offering high school students free 1-on-1 mentorship from expert advisors
 - Developed website using Pug/JS/SCSS, set up CI/CD with GitHub Actions and Netlify
- 2020
2020
- **Software Engineer**
WZMH Architects 📍 Toronto, ON
- Designed software for use in IoT projects
 - Implemented backend in Node.js and TypeScript, stored data in a PostgreSQL database, and deployed project using Docker
 - Created mobile app using React Native
- 2020
2019
- **Web Developer**
VolunteeringPeel 📍 Mississauga, ON
- Maintained website to help students find/apply for volunteer positions
 - Created tools to improve efficiency of management processes and handled technological support
- 2020
2019
- **JavaScript and Python Teacher**
TriWay Education
- Prepared lesson plans and assignments for students to practice
- 2019
2018
- **Learn and Share Teaching Assistant**
Spirit of Math Schools 📍 Mississauga, ON
- Led drop-in session to aid students in better understanding the material
- 2018
2017
- **Teaching Assistant**
Spirit of Math Schools 📍 Mississauga, ON
- Assisted students in improving their understanding of mathematics
 - Collaborated with classroom teacher to administer tests and curriculum materials



Projects

- present
2017
- **TriviaMaster**
- Trivia bot currently active in over 3 300 servers with over 300 000 users
 - Built with Node.js, using PostgreSQL to store player information
 - Interacts with the Discord API through the use of the discord.js API wrapper
- 2018
- **XChange**
- Tracks tourists' budgets in their native currency, locates the best nearby exchange rates
 - Web application created in Node.js in 36 hours for Hack the North hackathon
 - Uses MongoDB to store user and currency information, Express as the web framework, and the XE API to convert currencies
- 2017
- **Craftrivia**
- Mobile game developed in C# with the Unity game engine
 - Over 130 000 installs on the Android Play Store



Education

- present
2020
2019
- **BCS/BBA Double Degree, Honours Co-op**
University of Waterloo and Wilfrid Laurier University 📍 Waterloo, ON
- 2019
- **Machine Learning and AI Foundations: Recommendations**
LinkedIn Learning
- Learned essential ML principles and applications from online course taught by experts
- 2018
- **SHAD Valley**
Lakehead University 📍 Thunder Bay, ON
- Competitive environment revolving around STEAM and entrepreneurship
 - Developed and pitched business idea in a group as a solution to a problem in Canada



Awards and Achievements

- 2020
- **Mentor's Choice**
Hack the 6ix 📍 Toronto, ON
- 2020
- **Judge's Choice**
MasseyHacks VI 📍 Windsor, ON
- 2020
- **Group 3 (Top 70 in Canada)**
Canadian Computing Competition 📍 University of Waterloo, Waterloo, ON
- 2018
- **Most Creative Hack**
HackIR 📍 Oakville, ON
- 2018
- **SHAD Ambassador**
Erindale Secondary School 📍 Mississauga, ON
- 2019
2018
- **First Place in Peel Region**
ECOO-CS Programming Competition 📍 York University, Toronto, ON
- 2018
- **First Place, Bronze Division**
Don Mills Programming Gala 📍 DMCI, Toronto, ON

Contact Info

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Skills

Programming

JavaScript/TypeScript
Python
C++

Server / Web

Node.js
Django/Flask
Vue
React/Redux
REST
GraphQL

Database

Redis
PostgreSQL
MongoDB
SQLite
SQLAlchemy
TypeORM

Tools

Docker
Git
Office

Operating Systems

Windows
Ubuntu
Raspbian

Hardware

Arduino
Raspberry Pi