

RUYI LI

High school student with a passion for computer science and software engineering



Experiences

- present
2020
- Assistant Computer Programmer**
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
- 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
- present
2019
- JavaScript and Python Teacher**
TriWay Education
 - Taught basic syntax and essential programming principles to students
 - Prepared lesson plans and assignments for students to practice at home
- 2016
- Summer Camp Coordinator**
Logos Baptist Church Mississauga 📍 Mississauga, ON
 - Directed daily functions for summer camp providing educational and entertaining activities
 - Designed and implemented weekly schedule and programming for camp participants



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
- Crafrivia**
 - Mobile game developed in C# with the Unity game engine
 - Over 130 000 installs on the Android Play Store



Education

- present
2020
- Business Administration and Computer Science, Honours Co-op**
University of Waterloo and Wilfrid Laurier University 📍 Waterloo, ON
- 2020
2016
- International Baccalaureate**
Erindale Secondary School 📍 Mississauga, ON
 - Founder of Computer Science Club and Robotics Club
 - Created Erindale IB News Site and DECA Chapter Site
- 2019
- Machine Learning and AI Foundations: Recommendations**
Lynda (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
 - Used strong time management skills and improved oral and written communication



Awards and Achievements

- 2020
- Group 3 (Top 70 in Canada) - Canadian Computing Competition**
University of Waterloo 📍 Waterloo, ON
- 2018
- Most Creative Hack - HackIR**
Iroquois Ridge High School 📍 Oakville, ON
- 2018
- Hack the North Participant**
University of Waterloo 📍 Waterloo, 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 - Don Mills Programming Gala Bronze Division**
Don Mills Collegiate Institute 📍 Toronto, ON

Contact Info

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Skills

Programming

JavaScript/TypeScript
Python
Kotlin
C++
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