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

Idogemu
- Browser game controlled using a webcam to control the player
- Uses TensorFlow/Posenet to detect player movements

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 — 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
Rust
C++
Java
C#
Haskell
Julia
```

Server / Web
```
Node.js
React
Redux
REST
GraphQL
```

Database
```
Redis
PostgreSQL
MongoDB
SQLite
```

Tools
```
Docker
Git
Office
```

Operating Systems
```
Windows
Ubuntu
Raspbian
```

Hardware
```
Arduino
Raspberry Pi
```