

# RUYI LI

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



## Experiences

- 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 dedicated to providing educational and entertaining activities
  - Designed and implemented weekly schedule, activities, 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**
  - Helps travelers to track their budget in their native currency and locate the best nearby exchange rates
  - Web application created in NodeJS 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  
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
  - Mentorship from industry professionals and university professors
  - 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

- 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
- 2018  
2017 • **Technology and Computer Science Subject Award**  
Erindale Secondary School Mississauga, ON

## Contact Info

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## Skills

### Programming

JavaScript/TypeScript  
Python  
Kotlin  
Java  
C++  
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