

Career Profile

I'm a student at the University of Waterloo, with a passion for computer science, especially security. I'm always looking for exciting opportunities, especially in co-op!

Work Experience

Software Tester and Documentation Specialist

July - August 2020

Centre for Community Mapping

- Tested a massive code base written in PHP.
- Documented features of the project for consumers.
- Refined the automated testing system of the project, adding many major improvements.

Developer

October - January 2020

Centre for Community Mapping

- Learned and used VBA to implement a data upload application in Excel.
- Created an application in Google Sheets using the Project's HTTP API.
- Tested and used the project's API to help implement a data browser application.

High School Leader

July - August 2019

Engineering Science Quest

- Helped lead a full-time tech-based camp for grade five and sixes.
- Supervised and taught various technologies including GIMP and Arduino.
- Massively improved the Arduino code for one of the activities.
- Fixed hundreds of soldered circuits over the summer.

High School Leader

July - August 2018

Engineering Science Quest

- Helped lead a full-time science camp for grade three and fours.
- Supervised and lead multiple activities throughout the summer.

★ Achievements and Projects

RAMP Covid Form

November 2020

- Built a COVID-19 tracing form and hosted it on a website for RAMP, an automation company.
- Created a form frontend in HTML using Google's principles of Material Design.
- Setup a PostgreSQL database and secured remote access to the database for the client.

Supermoms Website Competition

June 2020

- Won a website-building competition for a small company, winning out against a handful of university-level teams.
- Within a month, created a fully-functional website in both english and simplified chinese.
- Integrated the website with Stripe to provide a complete online shopping system.

James Robertson Memorial Programming Competition

February 2020

- Won first-place prize in an AI canadian programming competition in Smalltalk.
- Wrote several different bot AIs in Smalltalk across 5 rounds.
- Won out against 30 other canadian high school teams.

Canadian Computing Olympiad

May 2020

- Placed in the top 2% of high school programmers in Canada in the Canadian Computing Competition three years in a row.
- In grade 12, was invited to an exclusive programming competition for the top 1% of high school programmers in Canada.
- Placed 15th out of 20th in the 8-hour competition.

Computer Science Club

June 2018 - June 2020

- Built a complete website for my school's Computer Science Club.
- Created a full website including an attendance system and authentication system.
- Wrote and posted several lessons on introductory computer science on the website.
- Lead the club for 2 years, teaching over 50 students for over 100 hours.

Keenan Gugeler

Backend Developer

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 github.com/RioIku

Proficient In:

- Python
- Flask
- NGINX
- UWSGI
- PostgreSQL
- C/C++
- Linux

Experienced In:

- Java
- HTML/CSS/Javascript
- Material Design
- PHP
- VBA

Knowledge Of:

- C#
- Angular

Hobbies



Biking



Reading



Programming Competitions

Education

University of Waterloo

Honours Math
September 2020 - Present

Waterloo Collegiate Institute

High School
September 2016 - June 2020