

## Technical skills

C/C++, Java, Golang, Python, Selenium, Ruby, Python, SQL, Git, Bash

## Work Experience

### Axsiom Group - Solution Developer (Toronto)

Jan 2019 - April 2019

- Spearheaded development and maintenance of 3 automated test suites allowing for timely regression testing
- Significantly **improved reliability** of Ruby Cucumber code base, reducing false test failures from 900 to 150 in 3 months
- Improved robustness of **Java Appium** code base, reducing test failures from 13 to 0 in 1 month
- Assisted in the development of **ASP .NET** web applications, investigated bugs and freeing developer time

### University of Waterloo - WEEF TA (Waterloo)

Aug 2019 - Dec 2019

- Designed and developed **python** scripts for automated grading of programming quizzes and labs
- Custom android app for attendance taking, reducing attendance taking times from 35 min to 15 min
- Effectively tutored difficult concepts in physics, calculus, linear algebra, C++

## Projects

### Personal Web App (work in progress)

<https://yihong.ca>  
(might be slow to load)

- Designed and developed personal web application in **golang** for hosting my ideas
- Utilized **MySQL** for storage of data required by applications
- Leveraged html, css, javascript for low memory front end

### University of Waterloo Formula Motorsports

- Redesigned power distribution unit of formula car, correcting previous faults
- Redrew circuit schematic and PCB layout in Autodesk Eagle
- Debugged and fixed electrical bugs during testing of vehicle, allowing for timely collection of data

## Education

Candidate for bachelors of applied science - computer engineering honours, co-operative program 2023