Michael Zhang

Bachelor of Computer Science
Email: zhang165@gmail.com   Portfolio: http://zhang165.github.com   Github: http://github.com/zhang165

Education

Bachelor of Computer Science | September 2014 – April 2017
The University of British Columbia

GPA: 3.8

Work Experience

Amazon | Seattle, WA

Software Development Engineer Intern | **May 2016 – July 2016**

- Created a data publisher for data warehousing and implemented an eligibility check service for referral programs
- Technologies used: Java, Git, Eclipse

Genome Sciences Center | Vancouver, BC

Web Development Intern | **September 2015 – April 2016**

- Developed a web interface for managing lab protocols and sample submissions in a multi-petabyte database
- Technologies used: Hadoop, Python, Javascript, MySQL, SVN

Technical Skills

Programming Languages: Java, Python, Javascript, C#, C++, Go
Web: JQuery, Django, Pyramid, HTML5, CSS3, Jersey
Technologies: MySQL/MSSQL, Guice, Mockito, Git

Projects

Drive | December 2016
- Designed a navigation system that will drive a car to any destination while avoiding static obstacles using hybrid A*
- Technologies used: Unity5, C#

Coast Capital Procurement System | January 2017
- Developed a back-end server for Coast Capital Procurement System
- Technologies used: Guice, Jersey, Mockito, Java

Personal Website | November 2015
- A personal portfolio website with live demos of my other projects
- Technologies used: Javascript, CSS, JQuery

Paranoid Bikers Web Application | May 2015
- Data-intensive web application that utilizes Vancouver Motorcycle Parking data, Vancouver crime data, and Google Maps API to locate ideal parking locations.
- Technologies used: Django, Python, Git

Sudoku Solver | December 2014
- Utilized a game tree approach to solve a 9x9 Sudoku puzzle
- Technologies used: Javascript

Extracurricular

Competitive Algorithmic Programmer | October 2015 – Present
UBC ACM Programming Team | Vancouver, BC