

Mitchell Ma

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EDUCATION

UNIVERSITY OF BRITISH COLUMBIA | BSC IN MATHEMATICS AND COMPUTER SCIENCE

September 2014 - May 2019 | Vancouver, BC

VOLUNTEER & WORK

KILLARNEY COMMUNITY CENTER | ACTIVITIES AND EVENTS ASSISTANT

December 2010 - June 2014 | Vancouver, BC

- Volunteered in helping the center run various sports programs and other activities primarily targeted toward youth
- Occasionally responsible for instructing small-sized group of teenagers in a sports program

TUTOR

September 2013 - present

- Work with both secondary and post-secondary students
- Specialize in teaching mathematics and computer science (up to 3rd year university level)
- Experience in teaching general science (physics, chemistry) and language courses

TEACHING ASSISTANCE | MATH TA AT UBC

2016 - 2017

- TA for a few 1st and 2nd year level math courses
- Responsible for assignment, midterm, and exam grading
- Held office hours to assist students in understanding course concepts

PROJECTS

MIND THE GAP | ANDROID APPLICATION FOR LONDON'S TRANSIT SYSTEM

July 2016 - August 2016 | Java

- Implemented a parser that transforms data from London's transit API
- Partially coded up the Android application that visually marks out transit lines or station locations on a map and provides information such as train schedules for different stations

INSIGHTUBC | COURSE AND BUILDING EXPLORER FOR UBC

January 2017 - April 2017 | HTML • SCSS • Typescript

- Worked with another individual in designing and implementing a RESTful API that transforms raw UBC data into something more suitable for the end user
- Coded up server responsible for breaking down zip files, caching data, and acting as a rudimentary database for manipulating data using user provided queries
- Wrote up front end responsible for parsing input data into queries suitable for the back end

GSMS | GROCERY STORE MANAGEMENT SYSTEM

September 2017 - December 2017 | HTML • SCSS • Typescript • SQL

- Worked with three others to implement a management system suitable for grocery managers to monitor store activities, inventory, and finances
- System consists of a RESTful API that parses user inputs into SQL statements, Oracle database that stores all the data, and a front end webpage that sends user inputs to the appropriate endpoints

TECHNICAL SKILLS

Comfortable with:

Java • Typescript (Javascript) • \LaTeX

Familiar with:

C • C++ • Python 3 • MATLAB • (PL)/SQL • PHP • Assembly • Visual Basic • HTML & SCSS (CSS)

I've used these before:

JUnit • Mocha • Node.js • React Native • Adobe Illustrator • Adobe Photoshop • JetBrains IDE • WordPad