SHUKAN (MAXWELL) YANG

YEAR 4, COMPUTER SCIENCE HONOUR

(WITH SOFTWARE ENGINEERING OPTION)

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Website: https://maxwell-yang-2001.github.io/

TECHNICAL SKILLS

Programming:	Java, C/C++, C#, Assembly, Racket
Web:	HTML, CSS, JavaScript, TypeScript, PHP
Database:	SQL, MySQL
Tools/Environment:	Git, Eclipse, IntelliJ, Atom, Node.js, REST, Postman
Test:	JUnit 5, Yarn, Chai, Mocha

COMPETITION AND AWARDS

IEEEXtreme 24-hour Programming Competition   Oct 2019

- Team (with 2 other team members) ranked 1st among all 55 teams in Canada, and top 5% globally

- Solved problems mainly about algorithm design and data structures

TECHNICAL PROJECTS

UBC Web Server Query (Academic)   September - December 2019

- A full stack project which enables effective querying of the metadata from around the campus, with a back-end programmed in TypeScript

- Implemented server-side asynchronous behaviors with Node.js, and client-side with REST

- Applied greedy algorithm to support timetable scheduling as an additional feature

Languages / Technologies: TypeScript, Node.js, JSON, yarn test, REST

Application Manager (Academic)   January - April 2020

- Constructed a website for mobile application analysis with database support, which provides functions such as rating, sorting and viewing application in user-defined order

- Built front-end using HTML, CSS, JavaScript and PHP, query handling using SQL, and data storage using JSON

Languages / Technologies: HTML, CSS, JavaScript, PHP, JSON, SQL, MySQL

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Android 2D Platformer Game (Personal)   April 2018

- A 2D ninja platformer game on Android, implemented in Android Studio using Java

- Arts and music were mainly created in Photoshop and Musescore

Languages / Technologies: Java, Android Studio, Photoshop, Musescore

Online Mathematical Toolkit (Personal) (Personal)   April 2020 - current

- Implemented mainly in HTML, CSS and JavaScript, and has been creating an online toolkit with several fundamental tools for mathematics students (basic calculator, matrix algebra, calculus)

- Currently working on increasing the efficiency of code and implementing additional supports for user preferences using PHP and SQL.

Languages / Technologies: HTML, CSS, JavaScript, PHP, SQL, MySQL

WORK EXPERIENCE

Computer Science Teaching Assistant at UBC   Sept 2019 - Apr 2020

- Communicate with students in labs and tutorials to help them understand course materials

- Actively answer questions on online forum to solve their problems as quickly as possible

EDUCATION

UBC Computer Science Honour (with software engineering option) September 2018 - Present

Expected Time of Graduation: April 2022

UBC Dean's list

UBC Science Scholar

UBC Trek's Excellence scholarship (top 5%)