Samuel Ko

Computer Science (Third Year Standing)
778-388-5328   samk3180@gmail.com
Availability: 4-12 months

Skills

Languages
Java, C++, C, JavaScript, HTML, CSS

Libraries/Frameworks
JUnit, JavaFX, Java Swing, React

Tools
Git, Eclipse, IntelliJ, VS Code, Unity, MS Office

Personal
Self-motivated, teamwork and communication, quick learner

Education

University of British Columbia
Bachelor of Science
Expected May 2023

Links

Portfolio
serene-lamarr-3cfcb7.netlify.app

GitHub
github.com/SamKoCPSC

LinkedIn
linkedin.com/in/SamuelKo3180

Courses

Programming
Algorithms and Data Structures
Software Construction
Object-Oriented Programming
Computer Systems
Models of Computation

Others
Calculus I & II
Linear Algebra

Projects   *All projects featured on portfolio*

Pathfinding Visualizer | JavaScript, HTML, CSS – VS Code
- Developed using basic JavaScript without libraries or frameworks
- Visualized and animated Dijkstra's algorithm to show the progress and resulting optimal path between user selected cells on a grid
- Designed and formatted a highly interactable UI using HTML and CSS
- *Link: https://serene-lamarr-3cfcb7.netlify.app/pathfinder/pathfinder*

Sorting Visualizer | JavaScript, CSS – React –VS Code
- Developed with JavaScript using the React library and JSX syntax
- Visualized the progression of various sorting algorithms such as Bubble Sort, Selection Sort and Insertion Sort on an array of vertical bars of varying height
- Added a UI to allow selection of algorithm, direction of sorting, size of the array, and speed of animation
- *Link: https://serene-lamarr-3cfcb7.netlify.app/sorter/*

Text Analyzer | Java – JUnit, JavaFX – IntelliJ
- Program that analyzes or modifies the characters in a user-inputted string of text
- Designed a UI using JavaFX to allow the user to select the type operation to perform such as outputting the number of alphanumeric characters, numbers, whitespaces and/or symbols

Work Experience

Blenz Coffee | Barista
October 2018 - Present
- Part-time barista involved with customer services such as food and beverage preparation, POS handling, and cleaning
- Practice excellent communication skills with clients and efficient teamwork with other members in a fast-paced environment

ClearOne Badminton | Coaching Assistant
February 2018 – April 2018
- Assisted a head coach in teaching young players various skills and techniques in badminton
- Learned to effectively follow instructions on lessons plans
- Exercised patience and good communication with junior level players