

Alyssa Kou

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Surrey

Technical Skills

- Languages: C++, C, CSS, Git, HTML, Java, Javascript, Python
- Software/Frameworks: GitHub, IDLE, IntelliJ, MatLab, Microsoft, Visual Studio Code
- Operating Systems: macOS, Windows, Linux

Education

Bachelor of Applied Science, Major in Computing Science, Minor in Criminology

Sep 2022 - In progress

Simon Fraser University, Burnaby

Technical Project Experience

Maze Game

Feb 2024 - Present

IntelliJ; Languages: Java, Git; Simon Fraser University

- Using object-oriented design and programming to optimize code
- Collaborating efficiently with group members through the use of Git and GitHub

Personal Website (alyssa-k528.github.io)

Dec 2023 - Jan 2024

VS Code; Languages: HTML, Javascript, CSS

- Developed a responsive personal website using HTML, CSS, and Javascript
- Enhancing user experience and user interface design by implementing buttons that lead users to different web pages for self-exploration

Turning Over a New Leaf

Oct 2023

Fall Hacks, Simon Fraser University

- Worked with a team of 4 to create a user-interactable educational game within the limit of 12 hours
- Used Unity with C# scripts to create a user-friendly and responsive GUI to allow user interaction with mini-games and the main menu

Birthday Lookup System

Jan 2023 - April 2023

VSCode; Language: C/C++; Simon Fraser University

- Applied object-oriented programming principles along with ADTs and created binary search trees to sort a list of birthdays
- Checked for heap memory leaks using Valgrind, ensuring that dynamically allocated variables were deallocated correctly

Blackfoot Language App

Sept 2022 - Dec 2022

VSCode; Language: Python; Simon Fraser University

- Implemented a program that can teach the user the indigenous language, Blackfoot
- Tested and debugged the code using print statements to diagnose and address issues

Work Experience

Japanese Teacher Assistant

July 2022 - Aug 2022

Canada Stay Holding Inc, White Rock

- Taught Japanese students the fundamentals of English, reducing their grammatical errors
- Worked with teachers in aiding the students to learn about Canadian culture