Kyle Huang

Contact

✉ **Email**: *kylehuang041@gmail.com*
🌐 **Location**: *Seattle, WA*

Links

CS Student at University of Washington Bothell passionate in programming and cybersecurity.

Education

September 2020 - Expected, August 2024

Bachelors in Science in Computer Science and Software Engineering: Information Assurance and Cybersecurity

• University of Washington Bothell · School of STEM

• GPA: 3.71

• Dean's List: 2020-2021, Spring 2022

• Relevant Coursework: Intro to Cybersecurity, Software Engineering, Data Structures and Algorithms, Technical Writing for Computing Professionals, Information Assurance and Cybersecurity, Computer Programming, Web Programming, Analysis and Design, Network Design and Programming

Technical Projects

BlogIt · *HTML, CSS, JS, NodeJS, REST API, SQLite, ThunderClient* · December 2022

• Created a fullstack blog webpage to manage digital notes/blogs

• Built BlogIt REST API to converse with the database through node web service

• Written, tested, and debugged both client and server completely and accurately

Shortest Path Maze Solver · C++ · May 2022

• Created a program that reads in multiple maze files outputting the visual shortest paths

• Implemented depth-first search to calculate and custom backtracking-like algorithm to draw the paths

• Resulted in 100% tests passed including mazes with empty clusters and rigid designs

Bank · *C++* · February 2022

• Built a bank ATM program using OOP principles

• Implemented create, login, and logout features ATM with the use of multiple accounts; deposit, withdraw, and view info for accounts

Calculator App · *Java* · December 2021

• Created a desktop calculator app made with JFrame GUI

• Made to be calculated linearly

Portfolio Website · *HTML, CSS, JS* · September 2021

• Developed my portfolio responsive website: photo gallery, other published projects, and an automated email messenger embedded API

• Used flex, grid, and JS DOM manipulation for responsive design and quick sorting of files and links for project display and photo gallery

Weather App · *HTML, CSS, JS* · August 2021

• Created an app for showing the current weather of a specific city

• Implemented an API to get the weather info and utilized local storage to save the user's location

Restaurant Order · *Java* · June 2021

• Made a restaurant order program: a visual text menu of foods and drinks to choose from for an order

• Resulted in a receipt output and an option to download into a text file

Certificates

December 2021
   • JavaScript Algorithms and Data Structures (freeCodeCamp)
December 2021
   • Learning React.js (LinkedIn Learning)
September 2020
   • Responsive Web Design (freeCodeCamp)

Skills

Programming Languages: Java, C++, JavaScript, SQL

Web Dev: HTML, CSS, MySQL, MySQLite, NodeJS, Thunder Client, Postman API

Technologies: Git, GitHub, Linux, VS Code, Excel

Soft: Communication, Flexibility, Collaboration