Kyle Huang

kylehuang041@gmail.com | (425)-589-1578 | linkedin.com/in/kyle-h | github.com/kylehuang041 | Seattle, WA

EDUCATION

Bachelor of Science in Computer Science and Software Engineering: Information Assurance and Cybersecurity   September 2020 - Expected, June 2024

❖ University of Washington Bothell · School of STEM · Bothell, WA
❖ Dean's List: 2020 – 2021, Spring 2022, GPA: 3.71
❖ Relevant Courses: 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

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, J*S   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

TECHNICAL SKILLS

Programming Languages: JavaScript, C++, Java, SQL
Web Dev: HTML, CSS, NodeJs, MySQL, SQLite, ThunderClient, Postman API
Technologies: VS Code, GitHub, Git, Linux, Excel
Soft: Communication, Collaboration, Teamwork

CERTIFICATIONS

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