

# Kyle Huang

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## 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 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

## 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](https://www.freecodecamp.org/))

December 2021

Learning React.js ([LinkedIn Learning](https://www.linkedin.com/learning/))

December 2021

Responsive Web Design ([freeCodeCamp](https://www.freecodecamp.org/))

September 2020