James Li

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Education

BS in Computer Science   Expected Graduation: May 2024

University at Buffalo, School of Engineering **-** Buffalo, NY

Coursework: OOP, Functional Programing, D.S & Algorithms, Data Structure, Systems Programing, Algorithm Complexity & Analysis, Computer Organizations, Software Quality & Practice

Experience

Interactive Map for Organizations at University at Buffalo   October 2023 - May 2023

Github - [Interactive_Map](#)

Buffalo, NY

- Created an interactive web-based map using front-end web development technologies **(JavaScript, HTML, CSS)**
- Developed features such as zooming in and out, panning, and clicking on different markers or areas to display additional information.
- Enabled users to click on each marker to view additional information about the attraction, including photos, descriptions, and hours of operation.
- Worked closely with sponsors for the organizations at UB to ensure the map met their specific needs and requirements.
- Collaborated with team members to identify and understand project requirements and goals, and communicated effectively to ensure alignment and avoid misunderstandings.**(Github, Exel, Google Slides)**

Projects

Personal Website Portfolio   April 2023 - May 2023

Website - [Jamesli.dev](#)   New York, NY

- Created an interactive website using **(React, CSS, and JavaScript)**
- Extensive use of **CSS** to allow to create a responsive and user-friendly web applications ensuring and cross-browser compatibility
- Implemented scroll animations to allow users to scroll to each section of the page in the navbar
- Created a button to allow users to switch to dark mode and light mode on the website through the use of **CSS** and **JavaScript**

Instant Messenger   October 2022

Github - [Instant Messenger](#)   Buffalo, NY

- Created using **C** and built with functional programming
- Developed a chat messaging system that was able to to interact with out users
- Used structs and pointers in **C** to develop proper integrations of special characters to allow users to @ eachother in the chat

Solar Installation   September 2022

Buffalo, NY

- Used Scala to read and split a csv file with improper formatting and empty entries to identify Solar Installations in different states
- Use the data in the csv to calculate the average cost-per-KWH of all solar installations in the state

Skills

Programming Skills: Html, CSS, JavaScript, Python, C, C++, Scala, Mips, System Verilog

Frameworks: Reactjs, Threejs, React Native

Other: Github, Make, Callgrind, Valgrind, Gdb