YIWEI WU

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EDUCATION

University of Washington
M.S. in Computer Science (Technology Innovation) · Seattle, WA · GPA:3.8 — Sep 2021 - Mar 2023

Central Washington University
B.S. in Information Technology and Administrative Management · Ellensburg, WA — Sep 2016 - Aug 2020

SKILLS

Programming/Knowledge	JavaScript/ES6, HTML, CSS, Python, MySQL, HTTP, Java, SEO, UX/UI, ML
Frameworks/Libraries	React, Sass, Bootstrap, jQuery, Chart.js, OpenCV, Numpy, Matplotlib, Webpack
Tools/Platforms	Azure, Firebase, NPM, Git, Node.js, VS Code, Unity, WordPress, Figma, Cypress

EXPERIENCE

Frontend Developer — May 2023 - July 2023
Mercer Island Telecom — *Mercer Island, WA*

- Possessed a strong passion and dedication to work in a fast-pacing environment, designed wireframes and prototypes, and developed three functional **WordPress** websites, **utilizing MySQL, JavaScript, and PHP**.
- Integrated interactive maps and optimized loading speed by 35 % through third-party packages, while ensuring theme customization aligned with branding guidelines to enhance the user experience.
- Integrated **Google Analytics (GA4) and Google Search Console** to track the subscription and website performance, while optimizing **SEO** strategies. This led to a significant 30 % increase in click rates.

UX Engineer Intern — Oct 2020 - Jun 2021
345pi — *Mercer Island, WA*

- Utilized strong collaboration and communication skills to work closely with cross-functional teams, facilitating the iteration of two rounds of design, development and testing. Implemented design systems, followed user-centered design principles to create functional layouts and animation, and ensured cross-browser compatibility of the web application.
- Developed a B2C calculus learning web app, incorporating features such as login, flashcards, community, and rewards **using HTML5, CSS3, JavaScript**. Obtained phase 1 approval from the National Science Foundation.
- Built a responsive web3 company website **using React, Tailwind CSS, NextJS**. Integrated Sanity CMS for easy iteration and content management.
- Led the project pitch in the UW CoMotion I-Corps program, overseeing design and development iterations in a fast-moving team. Received outstanding 3.6/4.0 grades during the final review.

PROJECTS

School Active Shooter Rapid Response (Sponsor by T-Mobile)

- Architected a large scale web applicaton as the highly motivated front-end engineer, implementing interactive floor plans, room lists, and touch screen click functions **using React, HTML5, CSS, JavaScript/ES6**.
- Integrated the interface with **Azure, CosmosDB** to visualize real-time human and weapon data, restructured communication flow among 3 departments and cut down paperwork by 75%.

RMS - Zoom Anxiety Monitor

- Integrated data from facial detection and GSR sensor as a full stack developer, **utilizing Python and Raspberry Pi** to calculate user emotion. Achieved accurate emotion detection with a precision rate of 90%.
- Created emotion emoji feature **using HTML, CSS, JavaScript, and Firebase**. Fetched data from the server to the web application, resulting in an enhanced user experience and engagement while reducing zoom anxiety by 40%.