Miles Spencer Wu

milesswu.net • msw@milesswu.net • github.com/milesswu • linkedin.com/in/milesswu

EDUCATION

University of California: Los Angeles
Bachelor of Science: Computer Science — June 2022
GPA: 3.86   **Dean's Honor List:** Fall 2018 - Spring 2019, Spring 2020

Relevant Coursework: Algorithm Design & Complexity, Data Structures & Algorithms, Operating Systems, Programming Languages, Software Construction

SKILLS

Languages: Javascript ES6+, C++/C, Python, HTML5, CSS3, Bash, Kotlin, Java
Frameworks/Tools: React, Node, Firebase, Redux, SQL, React Native, CI/CD, Git, Android Studio, Angular, Material UI, Bootstrap

PROJECTS

Story Seeker: *Alexa Skills Challenge*   Fall 2019-Spring 2020
- Built an **end-to-end system** connecting an author platform, moderator platform, and Alexa Skill for users to read interactive choice-based stories
- Used React & Redux to handle user data flow and allow authors to write and edit stories using a **graph based interface** (with nodes and branches).
- Won **"Best in Show"** project at UCLA ACM's Annual Tech Gala.

MyCheckpoint: *SB Hacks 2020*   Winter 2020
- Created a **cross platform app** for web/Android that takes users' calendar data to generate and suggest items to bring to scheduled events.
- Implemented the mobile platform with **Android Studio** by manipulating JSON data from the **Google Calendar API** using Kotlin in order to store user's events in **Firestore** and then display them to the user's screen.

Water Wars: *LAHacks 2019*   Spring 2019
- Built a web application with React to promote water conservation by displaying water usage information within neighborhoods.
- **Utilized Google Maps' Geocoding API** to respond to user searches for specific locations and addresses and display water usage in those areas.

EXPERIENCE

RISE: *Co-founder, Internal Director*   Summer 2020
- Founded, ran, and supported a student community of **65 out of 450+** applicants to work in teams and build original products in 9 weeks.
- Supported community developer**s** by holding **technical workshops** and providing them with online resources/**documentation**. See RISE Github.

UCLA ACM Hack: *Hackschool Director*   Fall 2019-Present
- Teaching workshops and developing curriculum for students to learn web/mobile technologies such as Node, React, Firebase, Android Studio.
- Designing and building the landing page for our annual hackathon using **React, Gatsby, Material UI, and Netlify** with a team of developers.

Society of Women Engineers: *Full-Stack Developer*   Fall 2019-Present
- Responsible for **event registration**: built pages with **React** and worked on endpoints in our **Express** server to send data to a **PostgreSQL** database.