Stanley Lew

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Education

University of California - Riverside   **Riverside, California**
BS in Computer Science   *September 2023 - June 2027*

Technical Skills

Languages: TypeScript, Javascript, C++, Python, HTML, CSS
Frameworks & Technologies: React, Next.js, Firebase, Next Auth, TailwindCSS, Framer Motion, Raylib, Squarespace
Developer Tools: Git, Github, Google Cloud Platform, Cmake, GoogleTest, Github Actions
Project Management: Agile, Scrum, Kanban, Github Projects

Experience

Designverse   **Riverside, California**
Software Engineering Lead   *May 2024 – Present*
* Developed **10+** schemas with **Zod** to handle user input for form validation within all Hackathon Portal forms
* Leveraged **Next.js**, **TailwindCSS**, and **React** expertise to create dynamic **Framer Motion** animated components and optimized portal mobile responsiveness
* Leading a committee of 10+ web developers for the creation of the official Designverse website for Designverse 2025
* Co-led **Python** Discord Bot & Intro to **Frontend** Workshops at Bearhack 2024 & DesignVerse 2024 Hackathons

TechKnowHow   **San Jose, California**
Coding Instructor   *June 2024 – August 2024*
* Instructed 100+ students on various curricula: EV3 Robotics, Lego Robotics, Roblox Lua Coding, & Minecraft Block Coding/3D Object Design

Leadership

Association for Computing Machinery @ UCR (ACM@UCR)   **Riverside, CA**
Projects Director   *February 2024 – Present*
* **Managed 25+ Next.js projects** and hosted weekly check-in meetings with project leads to oversee development for UCR's CSE department, student organizations, & external companies
* Led teams of 10+ developers, teaching technical skills in **TypeScript**, **JavaScript**, **TailwindCSS**, and **Framer Motion** while guiding them through agile development processes, including weekly standups and code reviews
* **Increased ACM programs membership by 150%**, driving engagement and participation through effective outreach and project-based learning opportunities

Projects

Productivity Dashboard | *Next.js, Typescript, Google OAuth, Firebase, TailwindCSS*   ⦿ **Github**
* Integrated **Firebase Firestore** to securely store Google and Spotify access tokens, enabling **automatic token refresh** for uninterrupted user authentication and API interactions
* Implemented **Google OAuth** authentication using **NextAuth**, enabling secure user login and personalized dashboard experiences
* Utilized **RESTful APIs** to connect Google Calendar, Weather, Time, and Spotify services, dynamically displaying user-relevant information and ensuring seamless data synchronization across platforms

Cave Exploring | *C++, GoogleTest, CMake*   ⦿ **Github**
* Implemented save/load game functionality by designing a custom binary format with linear time complexity for input and output file streams, enabling efficient and accurate state persistence
* Developed **20+ unit tests** with the **GoogleTest** framework, achieving high test coverage and ensuring code reliability and maintainability
* Led **agile** sprints as **product owner**, managing team priorities and progress using a **Kanban board** on **GitHub Projects** to ensure timely delivery of project milestones
* Designed and implemented a class inheritance hierarchy and user interface on **Excalidraw**, adhering to C++ best practices to create an intuitive and scalable codebase