

Weston J. Wood

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EDUCATION

Bachelor of Science in Computer Science

California State University, Los Angeles

Expected Graduation Date: May 2025

GPA: 3.47 (Dean's List)

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, HTML, CSS, Nix, Bash, PowerShell Script, Java, C++

Amazon Web Services: EC2, ECR, ECS, Lambda, DynamoDB, CloudWatch, Route53, VPC, API Gateway, IAM, SES, ELB, S3

Frameworks & Tools: Linux, Git, REST API, Agile, Jira, Docker, Google Firebase, Next.js, React, SQL, MongoDB

PROJECTS

Portfolio Website

Sep 2023 - Present

Amazon Web Services, Next.js, TypeScript, REST API

- Designed and built a portfolio website backend using AWS to create a cost-effective architecture with, an **EC2** reserve instance for hosting, **DynamoDB** for dynamic project updates, **Amazon SES** for email handling, **Route 53** for domain management.
- Created a **REST API** utilizing **API Gateway**, **Lambda** functions, and **DynamoDB** for caching, to integrate Steam's and Github's **REST APIs** to dynamically update website sections and to showcase near-real-time data from Git projects and Steam games.
- Created **CloudWatch** alerts to continuously monitor for **Lambda** invocations, **DynamoDB** reads and writes, and **EC2** internet traffic, to maintain a cost-effective, reliable and secure AWS architecture.

Meetify

Sep 2024 - Present

Google Firebase, Next.js, Tailwind CSS

- Collaborated with a team of four to create a modern alternative to when2meet.com while following Apple UI design language and adding features including, user login, updating schedules, and displaying times, in-text, when everyone is free.
- Designed a **No-SQL** schema that stores, dates selected, users and times selected by them, the event name and a UUID serving as a Unique ID, in JSON format, stored on **Google Firestore**.

NixOS Configuration

Jun 2024 - Present

Nix, JavaScript, Bash

- Developed a NixOS configuration featuring a dynamic tiling desktop environment using Hyprland to enhance productivity.
- Customized Neovim, using Nixvim, to function as a full-featured IDE with autocompletion, syntax highlighting, linting, and debugging tools for multiple programming languages.
- Created a personalized status bar using Aylur's GTK Shell to display real-time system metrics, optimize system monitoring, and enhance overall efficiency.

WORK EXPERIENCE

IT Student Assistant

Jan 2024 - Present

Cal State LA Office of Planning and Budget

- Played a key role in the creation and migration of data to Snipe-IT, a powerful asset management system, involving data cleaning, transformation, and ensuring data integrity. This successful implementation streamlined asset tracking, improved data accessibility, and improved overall operational efficiency within the organization.
- Logged and managed computer equipment data in the Snipe-IT database, enabling faculty and staff to efficiently check in, check out, and borrow equipment from the department, thereby enhancing resource accessibility and operational efficiency.
- Wrote Windows Batch Scripts to generate logs of PC system information to be logged in the school database, to improve data collection by 50%.

LEADERSHIP EXPERIENCE

Association for Computing Machinery (ACM)

Web Master

May 2024 - Present

- * Facilitates bi-weekly workshops on web development topics mentoring a group of three web leaders and achieving a 90% completion rate.
- * Manages a web development team of three leaders, successfully completing 10+ updates for fall semester events.

Web Committee Officer

Aug 2023 - Jun 2024

- * Coordinated with other Web Committee leaders to develop an Admin page through React, JavaScript, and Firebase, enabling seamless addition, updating, and deletion of events and workshops, leading to a 40% reduction in administrative delays.
- * Utilized Figma to design prototype UI and functions for the club admin page, improving implementation time by 50%.

Web Committee Leader

Jun 2023 - Aug 2023

- * Teamed up with two leaders to redesign the club's registration page, integrating an automated welcome email system for new member sign-ups. This enhancement led to a 10% reduction in administrative workload for the club.
- * Maintained the club website by making sure events are up-to-date, fixing bugs, and updating announcements.

CERTIFICATIONS

AWS Certified Solutions Architect - Associate

Jan 2025

AWS Training & Certification