

Weston J. Wood

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EDUCATION

California State University, Los Angeles
Bachelor of Science in Computer Science

Graduation Date: May 2025

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, HTML, CSS, Nix, Python, Java

Frameworks & Libraries: Next.js, React, JSX, Bootstrap, Python Flask, Python Django, Spring Boot, SQL, MongoDB, Bash, Batch

Tools & Technologies: Linux (NixOS, Arch), Git, REST API, Google Firebase, AWS(EC2, SES, DynamoDB, Route53, S3, Amplify)

WORK EXPERIENCE

IT Student Assistant

Jan 2024 - Present

Cal State LA Office of Planning and Budget

- Logged computer equipment data into the Snipe-IT database for faculty and staff to check-in, checkout and borrow equipment from the department.
- Provides and set up new HP laptops, monitors, docking stations and other devices for new employees and faculty.
- Wrote Windows Batch Scripts to generate logs of PC system information to be logged in the school database, to improve data collection by 50%.

PROJECTS

Portfolio Website

Sep 2023 - Present

TypeScript, Next.js, React, JSX, CSS, REST API, AWS

- Designed, built and hosted my second iteration of my portfolio website, resulting in increasing user engagement by 25%.
- Implemented AWS solutions including EC2 for hosting, DynamoDB for dynamic project updates, SES for email handling, and Route 53 for domain management, improving the update cycle for project information by 50%.
- Wrote scripts to integrate GitHub and Steam REST APIs to dynamically updating website sections and showcasing real-time data Git projects and Steam games.

NixOS Configuration

Jun 2024 - Present

Nix, JavaScript, Bash

- Created from scratch a NixOS configuration that builds a tiling based desktop environment with Hyprland, a unique configuration that transforms Neovim into an IDE and a status bar written in JavaScript to improve my productivity.

Django Book Exchange Website

Feb 2024 - May 2024

Python Django, HTML, CSS, Bootstrap

- Managed a team of 5 individuals, facilitated meetings, and delegated responsibilities to develop a book marketplace website where you can search, buy, sell and list books.
- Implemented and instructed team members in GitHub utilization, ensuring effective version control management and minimizing unnecessary branch and fork overwrites.

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 3 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.

AWARDS

Association of Computing Machinery: Master Coder

May 2023