

AUBREY HAYES

Santa Monica, CA 90404

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Education

University of California- Santa Cruz

Bachelor of Science in Computer Science

June 2024 – June 2027

GPA: 4.0

Relevant Coursework

- Data Structures
- C Programming
- Programming Abstractions
- Research Explorations
- Computer Systems
- Algorithms
- Machine Learning Basics
- Design & Build Experience

Experience

Tech4Good Lab

Lead Full Stack Developer

March 2025 – Current

Santa Cruz, CA

- Lead group of frontend developers to coordinate sprints, review code, and implement features aligned with UX/UI guidelines and accessibility standards.
- Collaborated as a full-stack developer in the Micro-Role Structures for Qualitative Analysis research team, building interactive web tools using Angular and Firebase to support qualitative data visualization and analysis.
- Built an interactive learning module that helps users practice qualitative analysis by organizing and exploring sample annotations through an intuitive search and filtering interface.

UCSC Humanities Division

Web Assistant

September 2025 – Current

Santa Cruz, CA

- Migrated an assistant professor's lab website from Wix to WordPress without source access, reconstructing site layout, content, and media to ensure design consistency and full functionality.
- Maintained and updated administrative websites and documentation to align with campus web standards and accessibility guidelines.
- Collaborated with staff and faculty to design, produce, and deploy new WordPress sites, providing technical guidance and support throughout the process.

Google Developer Group

Full Stack Developer

October 2024 – May 2025

Santa Cruz, CA

- Collaborated with a team of developers to design and develop a web platform streamlining event and resource access for the University of California, Santa Cruz student community.
- Developed full-stack features using React.js, Node.js, and Firebase to deliver a responsive and user-friendly experience.
- Integrated Firebase authentication and Firestore database to manage real-time event data and user interactions securely.

DTLA Law Group

Legal Assistant

June 2025 – September 2025

Los Angeles, CA

- Served as main point of contact between attorneys and clients, handling communication, scheduling, and case updates.
- Prepared and organized case files and legal documents to support attorneys in ongoing cases.

Projects

Meal Recommendation App | *React.js, Node.js, Python, MongoDB, Google Gemini API*

April 2025

- Developed a full-stack web application that recommends healthy meals based on user cravings and dietary preferences.
- Implemented location-based search for healthy restaurants using the Google Places API.
- Integrated the Google Gemini API to generate personalized nutrition recommendations for users.

Multilingual Hispanic Speech Corpus | *Astro, NocoDB, Authentik, Bun*

December 2025

- Built a full-stack web platform for a multilingual speech project, supporting user accounts, event management, and data access.
- Managed VMs and server environments, deploying a server-rendered Astro frontend with Bun backend and Authentik authentication.
- Worked with faculty and PhD researchers at UCSC, UC Berkeley, and UCLA to turn project needs into functional application.

Technical Skills

Languages: Python, C, HTML/CSS, JavaScript, TypeScript, SQL

Developer Tools: VS Code, Firebase, Git

Technologies/Frameworks: Linux, GitHub, Angular, React, Astro, NgRx, RxJS, WordPress