

AUBREY HAYES

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Education

University of California- Santa Cruz

June 2024 – June 2027

Bachelor of Science in Computer Science

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

March 2025 – Current

Lead Full Stack Developer

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

September 2025 – Current

Web Assistant

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

October 2024 – May 2025

Full Stack Developer

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

June 2025 – September 2025

Legal Assistant

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