Haylie Tan

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EDUCATION

University of California, Davis | Davis, CA

B.S. in Computer Science, Minor in Technology Management   **Expected Graduation: June 2027**

RELEVANT EXPERIENCE

Website Development Intern | UC Davis College of Biological Sciences | Davis, CA   **May 2024–Present**
- Collaborate with engineers to optimize and maintain the frontend and backend architecture of the college's web ecosystem, including URL redirections, faculty profile updates, and website performance enhancements.
- Implemented a modular lab website template adopted by 10+ research labs, standardizing development workflows.
- Developed and deployed 15+ custom websites using SiteFarm for principal investigators and academic units, ensuring accessibility (WCAG 2.1), compliance, and a seamless user experience.

Technical Director | HackDavis | Davis, CA   **June 2024–Present**
- Developed and maintained hackdavis.io using React, Next.js, and CSS, enhancing the online presence and accessibility of HackDavis, one of the largest collegiate hackathons in California, with 900+ attendees.
- Developed the front-end of the HackDavis judging platform and contributed to backend architecture planning using HTML, CSS, React, and Next.js, ensuring a seamless user experience for evaluating 190+ projects.
- Implemented CRUD functionality with MongoDB, enabling seamless project submission, retrieval, updates, and deletions.
- Utilized Git and GitHub Desktop for version control, collaborating with team members to manage code repositories and track changes efficiently.

VP of Technical Operations | #include | Davis, CA   **January 2024–April 2025**
- Led the development of a website for Fourth & Hope, a nonprofit homeless shelter and recovery organization, guiding a cohort of students through frontend (HTML, CSS, JavaScript) and backend (Node.js, Next.js, APIs, databases, iCMS) fundamentals.
- Integrated APIs, including eTapestry for donation tracking and Constant Contact for email marketing, ensuring seamless data flow between external services and the website.
- Worked with a club-built CMS, coding the schema and database structure to support dynamic content management and streamline website updates.
- Developed the website for the Japanese American Student Society (JASS), implementing responsive design to enhance accessibility and user experience.
- Organized and taught live coding sessions and real-time troubleshooting, adapting quickly to technical challenges and providing guidance to cohort members as they built and deployed their projects.

Intern | California School Information Services (CSIS) | Sacramento, CA   **July 2024–August 2024**
- Shadowed an Agile team throughout an entire sprint cycle, gaining first hand experience in sprint planning, daily stand-ups, backlog grooming, and sprint retrospectives.
- Analyzed Agile workflows within CSIS, a state-level organization responsible for developing and managing large-scale educational data systems for California.
- Observed the use of Agile tools and work such as Jira, Confluence, and version control systems, gaining insight into how teams track progress, manage tasks, and collaborate effectively in a structured development environment.

PROJECTS

SafeHER | Davis-Data Driven Change (D3C) Developer Lead   **February 2024–June 2024**
- Spearheaded the development of a responsive website aimed at addressing women's safety concerns, tailored specifically for UC Davis students, utilizing HTML, CSS, Next.js, React.js and JavaScript.

Portfolio | Personal Project   **May 2025**
- Built a portfolio website using HTML, CSS, JavaScript, Next.js, and React with optimized performance, utilizing UI/UX design principles and Figma.

TECHNICAL SKILLS

Web Development: HTML, CSS, JavaScript, TypeScript, React.js, Node.js, Next.js, MongoDB, npm
Programming Languages: Python, Java, C, C++, R, MATLAB