

Logan Roche

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EDUCATION

California State University - Chico

August 2023 - May 2027

- **Bachelor of Science in Computer Science | GPA: 3.7**

PROFESSIONAL ASSOCIATION

Secretary - Upsilon Pi Epsilon (UPE) - Computer Science Honor Society

January 2024 - Present

- **Organize and Promote Events:** Plan, advertise, and execute engaging club meetings, departmental events, and impactful fundraisers to foster community and participation.
- **Member Outreach and Communication:** Proactively attract new members and maintain clear, consistent communication with professors, students, and an alumni network of over 250+ members.
- **Mentorship Program Coordination:** Manage and oversee a dynamic student and alumni mentorship program, connecting over 20 participants each semester for mutually beneficial relationships.

Treasurer - Association for Computing Machinery (ACM)

April 2024 - Present

- **Financial Management:** Oversee club transactions, ensuring financial integrity and compliance with set regulations.
- **Event Coordination:** Organize and host annual programming competitions, participate in bi-annual competitions, and coordinate yearly hackathons to foster skills development and community engagement.

SKILLS

- **Frameworks/Tools/OS:**
 - Next.js, React, Tailwind CSS, Drizzle ORM, Clerk Authentication, Plaid Finance, Git/GitHub, Windows
- **Languages:**
 - C, C++, C#, Java, Javascript, JavaScript XML (JSX), Python, HTML, CSS, ARM Assembly

PROJECTS

Hades - Full Stack Financial Planner Application

- **Overview:** This application leverages real-time transaction data from banks to display users' remaining budgets, net worth, and total expenditures.
- **Security:** Achieved industry-grade security using Clerk for user authentication and Plaid for seamless bank communication.
- **Technology Stack:** Built with Next.js for a robust, production-grade framework and styled with Tailwind CSS for a fast, clean, and intuitive user interface.
- **Database Integration:** Employed Drizzle ORM to connect to a Neon Postgres database, ensuring efficient and secure storage of user data.

Personal Portfolio Website

- **Overview:** A personal portfolio website designed to showcase my projects, skills, and experience. It features an interactive navigation menu, a responsive design for all devices, and well-organized sections for effortless navigation.
- **Technology Stack:** Developed using HTML and CSS to achieve a clean, visually appealing, and professional layout.

Schedule Builder for Meadowlark Dairy

- **Overview:** Developed a JavaScript app to optimize job assignments based on shifts, roles, and past tasks. This enhanced scheduling efficiency, improved worker satisfaction, and increased work production over 10%.

EXPERIENCE

Competitor - International Collegiate Programming Contest (ICPC)

February 2024

- Participated in an ICPC Hackathon representing Chico State. Worked within a team of 3.

Manager - Meadowlark Dairy Ice Cream Shop

May 2021 - Present

- Oversaw operations by holding workers accountable, assigning tasks, and managing inventory efficiently.