MALENA LODI

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TECHNICAL SKILLS

Languages: C++, JavaScript, HTML5, CSS3, Python, APIs, TypeScript, & SFML

Frameworks: React.js, React Native, Postman, & Ionic

Developer Tools: VSCode, CLion, Git/GitHub, Webstorm, XCode, Expo Go, & Supabase

EDUCATION Expected Graduation date: Summer 2026

Pasadena City College - Pasadena, CA

Associate's Degree in Engineering & Technology

- **Coursework:** Data Structures and Algorithms, Software Engineering, Object Oriented Programming, & Multivariable Calculus.

EXPERIENCE

Snap Engineering Academy Scholar Jun. 2024 - Aug. 2024   **Snap Inc. -** *Santa Monica, CA*

- Selected as one of the **top 6%** applicants to join Snap Engineering Academy, an in-person software engineering program to enhance full stack skills utilizing **HTML**, **CSS**, **Javascript**, and **React Native** to deliver web and mobile applications.
- Participated in mentorship programs with high-level software engineers, interacted with company executives during scheduled meetings, and delivered several React and React Native projects.
- Worked with other engineers as well as marketing and design teammates on a large cross-functional project called **"Community Ping**" and presented the working prototype to Snap executives.

Mobile App Developer Intern Apr. 2024 - May. 2024   **Pasadena City College -** *Pasadena, CA*

- Collaborated with the development team to design and build an app that connects over 26,100 students with the school, enhancing communication and engagement.
- Translated **UI/UX design** wireframes into high-quality code using **React Native** and **TypeScript**, ensuring an interface that is cohesive and fully functional.
- Became more proficient in **Typescript** and **React Native** Skills, worked next to designers to formulate app's design and functionalities, and successfully completed deliverables in short time frames.

Student Worker Apr. 2023 - June 2024   **Pasadena City College -** *Pasadena, CA*

- *Assisting in leading the Visual Art Department and upholding company standards*
- Worked with **Excel**, **Google Docs**, and **Google Sheets** to create seamless digital documentation and databases.

PROJECTS

Student Life Mobile App in TypeScript and React Native

- ***Utilized React Native's component-based architecture*** *to ensure modularity and reusability of UI components across different sections of the app, which streamlined development and facilitated easier maintenance and updates..*
- **Ensured a responsive user interface** that dynamically adapts to various screen sizes and orientations, providing an optimal and consistent user experience across both Android and iOS devices, overcoming challenges related to cross-platform compatibility.

Community Ping Prototype for Snapchat

- Utilized React Native's component libraries to fetch user geolocation and retrieve data of users within a set radius from the original user.
- Pulled saved user community, interests, and other relevant data from Supabase (SQL) tables to pair users with passerby users in similar communities.
- Built custom interaction menus between user and passerby to ensure user safety while maintaining a fun user experience.
- Collaborated with other team members to implement design team's styling, marketing team's specifications, and worked together with engineers to build the feature on a Snapchat-based prototype app.

LEADERSHIP

She.Codes Club   **Pasadena City College -** *Pasadena, CA*

President (May 2024-Present) and Co-Vice President (May 2023 - May 2024)

- Connected industry professionals and alumni to host career development seminars for STEM students
- Expanded club by over 80+ members, establishing multiple project committees to increase engagement
- Collaborated with 6 sponsor companies, raising over $5,000 in resources for club-affiliated Hackathon
- Registered 120+ members, 10 volunteers, and 5 judges from Pasadena City College, NASA JPL, and Siemens