

Maria Fernanda Palacios Martinez

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EDUCATION

San Jose State University

Bachelor of Science in Engineering Technology, Minor in Computer Science, GPA: 3.1

San Jose, CA

Expected May 2026

Awards/Honors: MESA Scholar, EOP Scholar, Dean's Scholar

Relevant Coursework: Data Structures and Algorithms, Discrete Math, Network Administration

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, React, Python, HTML, CSS, PostgreSQL, MySQL

Softwares and frameworks: IntelliJ, Android Studio, Visual Studio, Git/GitHub, Node.js, Next.js, Express, Scrum

Certifications: (CCNA) Introduction to Networks

WORK EXPERIENCE

Salesforce

San Francisco, CA

Full-stack Software Engineering Intern (PostgreSQL, Express, React, Node.js)

Jun 2023 – Aug 2023

- Demonstrated passion for software engineering thus selected as 1 of 60 interns out of a pool of 2,400+ applicants
- Developed and deployed four web apps using the PERN (PostgreSQL, Express, React, Node.js) stack, achieving significant enhancements in performance, notably improving page load times by 10-15% through proactive optimization efforts
- Self taught web app development paradigms which led to recommendation by company assigned Summer mentor to return for Summer 2024 internship

Charles W. Davidson College of Engineering

San Jose, CA

Java/ Android Research Assistant (Android Studio, IntelliJ, Java, MySQL)

Aug 2023 – present

- Hired by Prof. Ben Reed to contribute to open source code aimed at providing internet services to disconnected areas worldwide by leveraging android mobile phones as data transports

PROJECTS

Taskify (TypeScript, HTML, CSS)

- Collaborated with a team of 3 young professionals to utilize Spotify API and ChatGPT API to create a productivity web app that generated AI-curated playlists to optimize college students focus for everyday tasks
- Designed architecture that handled AI-generated JSON objects for playlist curation for authenticated users and minimized erroneous song URIs by 30% through consistently improved prompt engineering

Mock Trader Joe's (React, Node.js, Express)

- Developed web app to practice frontend building using React and backend API data management through Express and Node.js

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow

San Francisco, CA

Career Preparation Fellow

Feb 2024 – Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent pursuing Software Engineering

Girls Who Code at San Jose State University

San Jose, CA

President, Former Vice President and Events Director

Aug 2022 – Present

- Moderate and oversee planning for eight monthly events ranging from coding challenges, technical development workshops, industry partner events, to community building socials for over 110 members
- Spearheaded most successful recruitment campaign that resulted in increased membership of 350% through digital outreach and prioritization of consistent member feedback

Science Extravaganza

San Jose, CA

Engineering Teacher Volunteer and Workshop Facilitator

March 2023 – Present

- Selected to weekly visit local middle school students from underfunded East San Jose districts to teach engineering concepts and paradigms through exciting hands-on projects
- Helped host over 300 middle school students for annual largest student-run event on SJSU campus through industry-led workshop facilitation and logistical planning

ADDITIONAL SKILLS AND INTERESTS

Fluent in Spanish, Interested in innovative tech solutions to societal challenges and ethical approaches to Artificial Intelligence implementations