Josh Lara

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EDUCATION

California State University, San Marcos   **Expected Graduation May 2026**
Bachelor of Science in Software Engineering   GPA: 3.75/4.0

WORK EXPERIENCE

Honeywell
Software Engineer Intern | June 2025 – August 2025
- Streamlined onboarding for 25+ engineers by designing and deploying a Docker container that reduced onboarding setup time for Honeywell software with DDCI tools from hours to minutes
- Supported the MQ25 program for Boeing, contributing to flight software updates for navigation accuracy
- Increased flight navigation accuracy by updating ADA code and Python scripts to optimize outputs for GPS systems

Millenium Health
Software Engineer Intern | June 2024 – August 2024
- Accelerated specimen tracking for 50+ lab technicians by developing and maintaining a full-stack application that streamlined scanning and tracking workflows
- Developed responsive frontend features such as real-time status updates and interactive scanning interface using React and JavaScript
- Conducted testing of RESTful APIs using Postman and Swagger to ensure reliable communication between the frontend and backend

PROJECTS

Engineering Department Project-Based Initiative | Jan 2024 – Present
- Secured and managed $160K+ in industry funding and helped over 90% of students secure internships or full-time roles
- Developed a long-term student project pipeline by growing and enhancing organizations including SHPE, SASE, and GDSC
- Helped oversee full cycle development of projects such as university rover challenge, autonomous navigation golf cart, and engineering department student space

Google Development Student Club Website | August 2024 – August 2025
- Full stack platform for an on-campus organization using Next.js, React, Prisma, MongoDB, and Tailwind CSS
- Designed features to allow students to track events, code submissions, LeetCode solutions, and sign-ins
- Integrated authentication and database management using Prisma and MongoDB to handle user information

Melo | Jan 2025 – May 2025
- Built a music streaming web app using React, TypeScript, Vite, React Query, and Supabase for authentication
- Implemented features including user accounts, music uploads, playlist creation, search, and audio controls
- Developed reusable UI components, integrated testing with Vitest/Jest, and optimized performance for production deployment

SKILLS

- **Programming:** TypeScript, JavaScript, C++, Java, HTML, CSS, ADA
- **Libraries & Frameworks:** React, Node.js, Spring Boot
- **Databases:** SQL, MongoDB, Prisma, Supabase
- **Technologies & Tools:** Git, Postman, Swagger, JIRA, Bitbucket, Sourcetree
- **Relevant Coursework:** Data Structures & Algorithms, Software Requirements and Design, Database Management Systems, Assembly Language and Digital Circuits, Cloud Computing, Introduction to Artificial Intelligence