

THOMAS TOY

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Education

University of California Santa Cruz

Bachelor of Science in Computer Science

August 2024

Santa Cruz, California

Technical Skills

Languages: Python, C++, C, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks & Technologies: React, Next.js, Node.js, Express, Firebase, REST APIs, Expo Go

Developer Tools: Git, GitHub, VS Code, Jira, Confluence, Jest

Robotics / AI: Teleoperation, Data Annotation, Quality Assurance, Robot Testing

Experience

1X Technologies

April 2026 – Present

Robotics Operator

San Carlos, CA

- Teleoperated humanoid robots in household task environments, supporting data collection and task execution for robot autonomy development while maintaining safety and quality standards.
- Performed dataset quality assurance, including data labeling, segmentation, and annotation review.
- Documented robot behaviors, tracked system errors and edge cases, and communicated findings with engineering teams to improve reliability and workflows.
- Collaborated closely with AI and engineering teams to refine task workflows that supported robot autonomy training and performance improvements.

Labelbox

December 2025 – March 2026

Robotics Operator

San Francisco, CA

- Teleoperated and monitored robotic systems to ensure processes met defined specifications, safety regulations, and quality standards.
- Maintained operational logs, monitored system performance, and reported anomalies to engineering teams for troubleshooting and workflow improvements.

T & I - AI Coaching & Consulting

July 2025 – January 2026

Co-Founder / AI Educator

San Mateo, CA

- Co-founded a personal passion project aimed at helping older adults explore and adopt AI tools in their daily lives.
- Created beginner-friendly guides and interactive demos introducing clients to chatbots and various generative AI platforms.
- Conducted personalized 1-on-1 coaching sessions with clients, helping them integrate AI into their daily routines and workflows

E & F Financial Services, Inc.

June 2022 – November 2025

Administrative Assistant

San Mateo, CA

- Scheduled and coordinated meetings, ensuring seamless communication and time management.
- Organized and maintained filing systems, improving accessibility and data retrieval.
- Cleared outdated records and streamlined data management for accuracy and compliance.
- Drafted and formatted emails, ensuring professionalism and clarity in business communication.

UNIBA.INC

July 2024 – August 2024

Software Engineer Intern

Tokyo, Japan

- Revamped the front-end framework by transitioning from EJS to Next.js, achieving 30% faster initial load times and reinforcing web technologies expertise.
- Executed front-end testing with Jest and Storybook, identifying and resolving 4 bugs to improve software reliability.
- Processed and transformed data from the Holaspirt API to build an interactive chart with D3.js, applying REST API integration concepts.
- Customized and integrated Pages CMS, resulting in a 50% boost in content management efficiency across the team.

UC Santa Cruz Police Department

January 2024 – June 2024

Software Engineer Intern

Santa Cruz, California

- Developed an automated history tracking page to seamlessly log all actions taken on inventory items.
- Integrated RFID scanners to pair with inventory system.
- Implemented robust RESTful API endpoints with Express, Node.js, and OpenAPI to manage inventory operations.
- Collaborated closely with end users to gather feedback and iteratively refine designs in Figma.

Local 2 Child and Elder Care Plan

July 2018 – August 2020

Administrative Assistant

San Francisco, California

- Conducted outbound and inbound phone calls with clients to help get their applications processed in a timely manner.
- Input and verified data of over 1000+ applications to support company operations

Projects

Slots of Flavor (Random Restaurant Selector) | *Next.js, TypeScript, Firebase, Yelp API*August 2024

- A full stack web application that helps users find new restaurants.
- Integrated Firebase for user authentication and to store user data. Yelp API used to get list of restaurants.
- 50+ active users

Detective Dollar (Expense Tracker App) | *Expo Go, React Native, JavaScript, SQLite, Git*November 2023

- Developed a cross-platform mobile expense tracker app with Expo Go to help users manage and monitor their expenses.
- Utilized Expo Go's SQLite library to efficiently store, retrieve, and process user-inputted data.
- Developed data visualization features using react-native-gifted-charts to provide users with insights into their spending habits, fostering informed financial decisions.

Leadership / Extracurricular

Engineering and Robotics ClubSeptember 2021 – May 2022

Skyline College

- Built and programmed small robotic systems using Arduino and the Arduino C/C++ code base.
- Developed control logic for sensors, motors, and basic autonomous behaviors.
- Collaborated with a multidisciplinary team to design and construct a solar-powered boat for competition, integrating electrical, solar, and mechanical components.

United States Naval Sea Cadet CorpsOctober 2015 – May 2020

Squad LeaderArkansas Division

- Managed squad activities, ensuring adherence to schedules and protocols during training sessions and events.
- Led a squad of 7+ in various training exercises, demonstrating effective leadership and organizational skills.