KITANA TOFT

San Francisco Bay Area - US Citizen

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Education

University of California, Santa Cruz   **Graduated December 2022**
BSE in Computer Engineering with Honors, Systems Programming, Computer Science Minor   *Santa Cruz, California*

Foothill College   **Graduated June 2020**
AS in Computer Science, Engineering, & Mathematics   *Los Altos, California*

De Anza College   **Certified August 2020**
Certified – Project Management Practitioner   *Cupertino, California*

Technical Skills

Languages: Golang, Typescript, Python, Javascript, C++, C, Java, Assembly (RISC), Conversational Japanese
Developer Tools: VS Code, Jest, Storybook, Jupyter, Google Cloud Platform, Firebase, SolidWorks, AutoCAD
Technologies: Git, Linux, Docker, React, Jotai, GitHub, GitLab, Bitbucket, and other various testing utilities
Electrical Engineering: FPGA (Verilog), Oscilloscope, MATLAB, Serial Communications (I2C, UART, SPI)
Project Management: Agile, SCRUM, Waterfall

Relevant Coursework

- Data Structures
- Object-Oriented Programming
- Operating Systems
- Computer Architecture
- Software Design
- Engineering Graphics - SolidWorks CAD
- Electrical Circuits
- Systems & Signals
- Computer Systems
- Computer Networks
- Embedded Systems
- Logic Design
- System Design
- Project Management Practicum

Experience

Super Micro Computers   **July 2023 – Current**
Technology Enablement Engineer   *San Jose, California*

- Specializes in driving cross-functional innovation through code development, demo design, hardware integration, and active involvement in sales initiatives
- Cross functional role collaborate with Sales, Engineering, Management, and Operation teams to initialize or support business at the customer & Supermicro
- AI engineer with full stack expertise. Worked with H100s, A1000s, and Intel Max/Flex series. Developed in-house software to integrate with SMC's internal AI.

SproutLabs Smart Irrigation   **September 2022 – December 2022**
Software Engineer — Apprenticeship   *Santa Cruz, California*

- Project manager & fullstack developer

Projects

SproutLabs Smart Irrigation | *Senior Project II*   **September – December 2022**

- Implemented several admin APIs and various micro-services to better display client data on a visual dashboard using a comprehensive software development life cycle with unit testing for all components.
- Used CI/CD pipeline for deployment & full end-to-end testing within a Docker container.
- Sponsored project by SproutLabs.
- Technologies used: **Docker**, **Golang**, **Nuxt.js**, **OSO**, **Firebase**, **Typescript**, & **Google Cloud**

CruzCal | *Senior Project I*   **March – June 2022**

- Designed & developed a scheduling productivity tool for UCSC students.
- Effectively worked and collaborated on a five person development team to bring a web application through the product life cycle using a monorepo.
- Development libraries: **Nx**, **Nextjs**, **React**, **Typescript**, & **Jotai** (state management). Testing libraries: **Jest** & **React**

iluvprocesso | *Personal Website*   **January 2019 – Present**

- Designed & developed a personal website gaining experience using **Typescript** and **React**.
- Development libraries: **React**, **Redux**, **Typescript**, **Next**, & **Sass**. Testing libraries: **Jest** & **Storybook**