

Alex Warda

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EXPERIENCE

- Software Engineering Intern** San Francisco, CA
Accolade June 2024 – Aug 2024
 - Full Stack Development:** Developed multiple improvements to the PlushCare product, including new API routes, database migrations, and updating pages throughout the site.
 - Project Management:** Led a team of 4 interns in a capstone project designing an internal dashboard using Salesforce and RedShift.
 - Feature Testing:** Independently conducted weekly A/B tests with the product management team, and implemented new connections using APIs to gather vital metrics.
 - Technologies Used:** Next.js, React, Jest, TypeScript, Django, Python, AWS
- Founding Engineer** Remote
CreatorPad Oct 2023 – Feb 2024
 - Web Development:** Worked with the CTO to redesign the main page and profile page, implementing cross-site connections and new database schemas.
 - Algorithmic Design:** Reduced the complexity and render time of the profile tile sizing algorithm by over 50% for better user experience.
 - Technologies Used:** Svelte, Drizzle, TypeScript, Linear, Figma

PROJECTS

- HomeLab:**
 - Kubernetes and Docker:** Utilized k3s as a lightweight orchestrator for Docker containers across three physical nodes to run HA services.
 - Continuous Services:** Constantly running various containerized services, with remote dashboards for service and traffic monitoring/analysis.
 - Automation:** Utilized Ansible playbooks and cron jobs to run simultaneous commands across all nodes and test services regularly.
- Senior Project:**
 - Arduino Development:** Wired and developed an Arduino Mkr WiFi 1010 in C++ to act as a Bluetooth peripheral transmitting EMG data from a soldered sensor
 - iOS Development:** Developed an iOS application using the iPhone as a Bluetooth central receiving and analyzing muscle strain data, complete with a navbar, home page, and live analysis page
- Dead Internet Theory:** Created an AI bot leveraging YT-DLP, OpenAI Whisper, and Meta LLaMA to generate context-aware YouTube comments for fake users.

EDUCATION

- California Polytechnic State University, San Luis Obispo** San Luis Obispo, CA
Bachelor of Science in Computer Science, Cum Laude; GPA: 3.6 Sept. 2021 – Dec. 2024
Relevant Coursework: Database Systems, Data Science, Algorithms, Programming Languages, Computer Security, Systems Programming, Software Engineering, Operating Systems, Web Development

SKILLS

Programming: Python, C, C++, SQL, Go, Java, TypeScript, JavaScript

Tools: Git, Linux, Next.js, Node.js, Microsoft Azure, AWS, Docker, Kubernetes, Jira, Django, React Testing and Debugging, Agile Development, Scrum Methodology

Languages: Polish (Fluent), German (Conversational), Spanish (Basic)

CERTIFICATIONS

Microsoft Azure Fundamentals: Completed April of 2023

AWS Certified Developer: In Progress