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 2022 – Feb 2023*

- **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 Blutetooth 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