

EDUCATION

San Luis Obispo, CA	California Polytechnic State University - SLO	December 2024
<ul style="list-style-type: none">• Major: B.S. in Computer Science, GPA: 3.959• Certificates: Minor in Gender, Race, Culture, Science, and Technology (GRCST)• Relevant Coursework: Data Structures, Proj-Based Object-Oriented Programming, Data Science, Computer Security, Operating Systems, Algorithms, Artificial Intelligence, Databases, Distributed Computing, Networks		

WORK EXPERIENCE

Software Developer	CalMatters – AI4Reporters	Jan. 2024 – Present
<ul style="list-style-type: none">• Designed and implemented a custom user auth system with Google APIs following the OAuth2.0 protocol• Implemented features including user profiles, detailed site analytics, and automated system monitoring• Accelerated rollout by migrating from spreadsheets to custom admin dashboard for user management• Reduced lead times and prod. defects by creating QA EC2 instance and standardizing deployment workflow• Contributed day-of hotfixes for live QA and production bugs affecting core site functionality as necessary		
Software Engineering Intern	SMUD	June 2024 – Feb. 2025
<ul style="list-style-type: none">• Full-stack web development in C# with the ASP.NET Core MVC framework, SQL Server, jQuery, and Bootstrap• Contributed to AI/ML projects and POCs as part of SMUD AI Governance Council (AIGC) pilot program		
Software Engineering Intern	SMUD	Aug. 2023 – Jan. 2024
<ul style="list-style-type: none">• Designed and implemented a modular, end-to-end regression test suite for ServiceNow PPM module• Created test scripts to monitor the uptime of three client-facing login portals and generate logs in Confluence		

LEADERSHIP & CAMPUS INVOLVEMENT

Technical Lead Developer	Hack4Impact @ Cal Poly	Sept. 2022 – Sept. 2024
<ul style="list-style-type: none">• Led a team of 10 student developers to build a full-stack volunteer management system using NextJS• Planned sprints and established weekly retrospective, planning, and stand-up meetings for developers• Worked closely with client, PM, and designers to translate client specs into technical requirements• Mentored developers and performed code reviews to maintain high code quality standards• Developed an inventory management system for a non-profit store using React, NodeJS, and AWS Amplify		

OTHER PROJECTS

Personal Website	Eleventy	Mar. 2025 – Present
<ul style="list-style-type: none">• My personal website and blog built with Eleventy and hosted with GitHub Pages• 100 Lighthouse scores in all categories: Performance, Accessibility, Best Practices, and SEO		
Concurrent HTTP Server	C, Linux	Nov. 2024 – Dec. 2024
<ul style="list-style-type: none">• A small HTTP server application serving JSON using POSIX sockets• Support for concurrent client connections via an event-driven server loop using the select() API		
AI Satellite Image Classifier	Python, Keras, TensorFlow	Sept. 2024 – Dec. 2024
<ul style="list-style-type: none">• Worked in a small team in collaboration with CostQuest Associates (CQA)• Modified an open-source implementation of Mask R-CNN for object detection and instance segmentation		

LANGUAGES AND TECHNOLOGIES

- C#; Python; JavaScript/TypeScript; C; Java; Golang; Bash; HTML/CSS; VBScript; Racket; SQL; Scala
- React; ASP.NET; Django; NodeJS; Git; NextJS; Flask; Linux; Azure DevOps; Bootstrap; UFT; AWS; Spark

OTHER INTERESTS

- Open-source software, web performance & accessibility, hi-fi audio, Raspberry Pi, coffee, self-hosting, baking!