

Zakaria Kortam

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Education

University of California, San Diego: Electrical Engineering (Machine Learning Controls) B.S. 06/2024 - 06/2026
Evergreen Valley College: Computer Science A.S - Magna Cum Laude 06/2022 - 05/2024
Courses: ODEs, Discrete Math, Data & Program Structures, Data Science, Linear Algebra, Computer Systems / ARM, CS I & II

Skills

Languages (Non-Elementary): English(C2), Arabic(C2), French(B1)

Programming Languages: Java, Python, C++, JS, TS, SQL, Dart

Non-technical tools: Atlassian, Notion, Slack, Microsoft Teams, Figma, Adobe CC

Frontend: Flutter, React.js; **Backend:** Node.js, Docker, Kubernetes, Firebase, AWS; **Data:** Jupyter, Python (NumPy, PandasAI)

Work Experience

Incorta - Product Development Intern

San Mateo, CA - 7/1 - Present

- Designed and developed product roadmaps and documentation for the GenAI Copilot Analytics software, enhancing query efficiency and providing analytics-driven product insights with seamless platform integration.
- Created custom visual components for international clients, including tools for conditionally mapping, grouping, and displaying data in card and table formats, customizing date/time formats, and mapping data to radar charts.
- Utilized ChatGPT 4o, Claude 3, and Gemini Advanced to ramp up efficiency, speed, and quality of the product. Completed tasks 4x faster than initially projected and over a month ahead of schedule.
- React & Node JS, TS, SQL, CICD Pipeline, Shell Scripting, Github Actions**

Stanford University - Research Mentee

Stanford, CA - 2/24 - 5/24

- Over 10 weeks of extensive research and collaboration with post-doctorate mentors, I composed a research paper titled "Disparities in Layoffs Among Silicon Valley's Hardware and Software Engineers." The paper explored AI's impact on employment, analyzing layoff rates and total employees impacted by the rise of AI. Presented findings to Stanford post-doctorates, staff, and peers.

San Jose, CA - 6/23 - 10/23

Inqueue - Developer Intern

- Designed the UI and developed the application prototype using Flutter. Conducted in-person market research with over 15 businesses and created comprehensive product documentation.
- Flutterflow, Figma, Atlassian, Microsoft Office**

San Jose, CA - 6/23 - 8/23

Adobe - Technical Student

- Led the design, development, testing, and debugging of Pixal, an AI Slack application interpreting and answering questions about workspace events. Presented to Adobe staff in a 5-week program, gaining insights into technical company structures and user-centric engineering strategies.
- Python, JavaScript, Slack API, Miro**

Projects

Surf - Founder

- Led a team of 7 to build and launch an AI-powered social media platform featuring a user-customizable algorithm and AI tools like smart hashtags, content creation enhancements, and user engagement insights. Developed a seamless 50+ page UI/UX and comprehensive documentation. Built a Vector-Database based backend.
- Flutter, Figma, Flask, Supabase Vector DB, Semantic Search, GPT-4, Gemini, YOLOv8**

Alex AI - 2023 TedAIxMicrosoft AI Hackathon

- Developed an AI-powered business creation tool that determines optimal corporate structures and filing states, auto-fills and completes all necessary forms for submission in seconds. Trained our own model and developed a custom knowledge-base. Reached the semifinals, showcasing expertise in AI and user-centric design.
- GPT-4, Python, Jupyter, Streamlit, Numpy, OpenAI's API, PDF extractors, and Figma.**

Pixal - 2023 Adobe Mentorship Programme (June-August)

- As part of the Adobe Technical Mentorship Program, I engineered Pixal, a GenAI-powered Slack application. Pixal seamlessly integrates into Slack workspaces, empowering users to query any discussion or event in real-time. Leveraging workspace data by feeding it into a custom knowledgebase, the application generates intelligent responses based on the user's specific access level, ensuring secure and contextually relevant insights.
- Javascript, GPT-4, Voiceflow Vector DB**

Leadership and Involvement

Butterfly Project - Founder & Executive Director - 5/2023 - Present

Evergreen Valley College CS Club - Founder & President - 4/2023 - 5/2024

ClosingTheDivide - Chief Operating Officer - 9/2021-10/2023