**Zeid Aldaas**

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EDUCATION

**California State University, Fullerton***B.S. Computer Science* | Current GPA: 3.76 | Expected Graduation: May 2025

EXPERIENCE

**Data Automation Developer**

*Edwards Lifesciences* | Irvine, CA | September 2024 - Present

* Leading a team in developing a Python-based automation tool to streamline complex data analysis workflows, reducing analysis time by over 50% and minimizing human error.
* Implementing advanced algorithms to accurately extract critical metrics, ensuring high precision and reproducibility.
* Designing a user-friendly interface, enabling seamless integration into existing workflows and facilitating ease of use for diverse technical teams.

**Software Development Intern**

*Solid Innovation Studio* | Remote | January 2025 - Present

* Migrating Titan Routes app from iOS to Android, adapting platform-specific design principles and optimizing the codebase for cross-platform compatibility.
* Enhancing app functionality and performance by implementing new features and streamlining processes to improve responsiveness and scalability.
* Conducting rigorous testing and quality assurance to ensure a seamless and reliable user experience across platforms post-migration.

**Software Engineering Fellow**

*Headstarter AI* | Remote | July 2024 - September 2024

* Developed key projects using technologies such as React, Next.js, Firebase, AWS, GCP, Vercel, OpenAI, Stripe, and Pinecone.
* Acquired practical experience in AI-driven solutions, web development, and the integration of cutting-edge technologies.
* Created AI-powered web applications leveraging RAG, utilizing API integrations with Llama, OpenAI, and Gemini models.

PROJECTS

**Knight's Quest** | *C#, Unity, AI/ML* | [View Demo](https://www.youtube.com/watch?v=SKZj4OPUKN8), [View Code](https://github.com/Zaldaas/Knights-Quest)

* 2D platformer video game project developed in Unity containing 3 levels with varying mechanics, from platform jumping, to hazard dodging, to combat with a final boss intelligently trained with a neural network.

**SportSpot** | *Java, XML, Git, Firebase, Android Studio, Agile Methodologies* | [View Presentation](https://zaldaas.com/misc/SportSpotPresentation.pdf), [View Code](https://github.com/Zaldaas/SportSpot)

* Mobile app to set up and find pickup sports events through registering and finding other users to connect with, alongside the ability to create and view other posts.

**CSUF College Database** | *TypeScript, HTML/CSS, SQL, PHP, React/Vite, Bootstrap, Laravel, CORS* | [View Demo](https://www.youtube.com/watch?v=tBPJWxzew3g), [View Code](https://github.com/Zaldaas/CSUF-College-Database)

* Web database application for the university that manages information related to professors, departments, courses, sections, students, and enrollments, integrating REST APIs for data retrieval and manipulation.

**AI Flashcards SaaS** | *JavaScript, HTML/CSS, Next.js, React, Git, Firebase, OpenAI, Stripe, Clerk* | [View Demo](https://www.youtube.com/watch?v=mhs8GO05dRQ), [View Code](https://github.com/Zaldaas/-AI-Flashcards-Stripe)

* Web app which can generate a series of flashcards based on user input using OpenAI, with subscription tiers available for more advanced features managed by Stripe and Clerk.

SKILLS

* **Languages:** Python, C, C++, C#, Java, JavaScript, TypeScript, HTML, CSS, XML, SQL, PHP, Assembly Language.
* **Web Development:** React/Vite/Next.js, Firebase, Angular, Bootstrap, Node, Laravel, .NET, Flask, CORS.
* **Platforms & Tooling:** Git, Linux, AWS, GCP, Vercel, Android Studio, OpenAI, Stripe, Clerk, Pinecone, Unity.
* **Concepts:** Data Analytics, AI, ML, Software Engineering, Agile Methodologies.