Jaith Darrah

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EDUCATION

Arizona State University **Tempe, AZ**

Bachelor of Science in Computer Science — GPA: 3.7/4.0 *Expected May 2026*

WORK EXPERIENCE

Walgreens **June 2025 – August 2025**

Software Engineer Intern *Deerfield, IL*

- Collaborated with software engineers, quality assurance engineers, managers, and other professionals on the Walgreens Loyalty team using **Java, Spring Boot, Gradle, Elasticsearch, Microsoft Teams**, and **Agile software development**.
- Developed a new microservice to help internal teams decide when to display credit card promotional messaging to loyalty members.
- Maintained 7 of Walgreens existing microservices used by **8,500** stores and over **100 million** loyalty members.

PROJECTS

[Portfolio Website](#)

- Developed a personal website using **NextJS**, **React**, **TypeScript,** and **Tailwind CSS**, to showcase my work and experiences.
- Hosted the website using **Vercel** and **Cloudflare** to make the website available to the public.

[Noodlebot](#)

- Developed a Discord bot to detect message edit events and display the difference between the original message and the modified message using **JavaScript**, **ExpressJS**, and **PuppeteerJS**.
- Deployed the containerized application on **AWS** using **Docker** to **reduce deployment time by 50%** and **log 1000+ message edits**.

[Clash of Clans Base Finder](#)

- Developed a command-line interface using **Python** to eliminate repetitive manual Clash of Clans base searches and automatically identify bases with a high amount of loot.
- Utilized **OpenCV, OCR,** and **AutoHotKey**, to automate the process of finding Clash of Clans bases based on resource criteria (gold, elixir, and dark elixir) and **decreased my time spent searching for bases by 90%**.

Gemini Chess Game Review

- Built a **full-stack web application** using **ASP.NET** and **C#** to analyze chess games and provide feedback.
- Developed prompts and utilized Google's **Gemini AI** API to generate explanations of how key moves impacted outcomes of chess games.

Ecommerce Application

- Built a **full-stack web application** using **TypeScript** and **React** to facilitate sale transactions of items between buyers and sellers.
- Created an **API** with **FastAPI** using **Python** and storage with **PostgreSQL** to store and retrieve all necessary data.

SKILLS & INTERESTS

- **Technologies:** TypeScript; JavaScript; Python; Java; C++; C#; NextJS; React; HTML; CSS; Tailwind CSS; NodeJS; Flask; Git; SQL; PostgreSQL; AWS; Vercel; Docker
- **Skills:** Learning; Hardworking; Collaborating; Teamwork, Software Engineering; Web Development; UX Design; Project Management; Microsoft Word
- **Interests:** Brazilian Jiu Jitsu; Manga; Startups; Clash Royale; Discord; Typing