Jaith Darrah

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EDUCATION

Arizona State University   **Expected May 2026**
Bachelor of Science in Computer Science   **GPA: 3.77/4.00**

WORK EXPERIENCE

Walgreens   **June 2025 - August 2025**
Incoming Software Engineer Intern   Deerfield, IL
- Expected to work on the myWalgreens Rewards program using Java during the upcoming internship.

PROJECTS

SunDevil Book Buying and Selling System   **2024**
- Designed a JavaFX application using Java to facilitate the sale of books between buyers and sellers along with a dashboard for administrators to monitor listings, sales, transactions, and users.
- Collaborated with 4 other individuals through video meetings and asynchronous messaging over the course of 15 weeks to design and implement the system.
- Utilized Google Documents, Jira, and Discord to design the system, plan sprints, and discuss how the system could be implemented.
- Used SQLite and Java JDBC to query and record user accounts, books, listings, and transactions in a SQLite database.

Discord Message Difference Bot | Demo   **2024**
- Developed a Discord bot and an Express API to track and display the difference between two messages, logging them for moderation purposes.
- Used Discord.js, Express.js, Puppeteer.js and Docker to display changes in an edit log for a server with over 1700 users.
- Containerized the entire application using Docker, reducing deployment time by 50% and ensuring consistency across environments.
- Deployed the application on an AWS EC2 instance and logged the difference for more than 1000 messages edited by Discord users.

Clash of Clans Farming Assistant | Demo   **2024**
- Developed a command-line interface in Python to eliminate repetitive manual searches, thus streamlining the farming process and saving time for users by automatically identifying bases with substantial loot.
- Utilized OCR, OpenCV, AutoHotKey, and regex to automate the process of finding optimal Clash of Clans bases to attack based on specified resource criteria (gold, elixir, dark elixir).
- Decreased my time spent searching for bases by 90%.

Grocery Store GPS | Demo   **2023**
- Designed and implemented a Flask app to generate and display optimal paths through a grocery store based on a provided list of items using graphs.
- Leveraged the NetworkX, matplotlib, and pillow libraries in Python to formulate a path and draw the path on a map.
- Deployed and hosted a Flask app on PythonAnywhere.com to handle POST requests and return lists of the optimal nodes, in numerical format, to travel through in the grocery store.

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript, HTML, CSS, Go
Frameworks: Flask, React, NodeJS, NextJS
Technologies: Git, SQL, PostgreSQL