

Lloyd Alba

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EDUCATION

Texas A&M University

Bachelor of Science in Computer Science - GPA: 4.0

College Station, TX

Aug. 2023 – Dec. 2027

Austin Community College

Co-enrolled with Texas A&M through Texas A&M Engineering Academy

Austin, TX

Aug. 2023 – Dec. 2024

EXPERIENCE

Software Engineer Intern - Platform Engineering

June 2024 – Present

Arrive Logistics

Austin, TX

- Currently spearheading **migration** of 4+ Classic Azure DevOps pipelines to **YAML-based pipelines** as code, reducing deployment time by 30% and improving code maintainability
- Collaborated with SRE team to troubleshoot and resolve **10+** critical issues with 4 microservices, minimizing downtime when debugging
- Demonstrated **leadership** by guiding 2 fellow interns in pipeline debugging, increasing team productivity by **60%**

Software Engineer Intern - Platform Engineering

Jun. 2023 – Aug. 2023

Arrive Logistics

Austin, TX

- Developed an Internal CLI Tool feature that remains a crucial part of the company's developer workflow, reducing engineer workload by **1-2 developer days** per sprint and significantly improving development efficiency
- Achieved a **14%** reduction in development time resulting in **\$38,400** annual savings in engineer salary costs
- Streamlined project scaffolding by **automating** version control, template app creation, and **CI/CD pipelines**
- Delivered a high-impact presentation on the project to **80+** Arrive Logistics engineers and the Code2College board of directors, demonstrating strong communication skills

High School Programmer

Sep. 2022 – Aug. 2023

Code2College

Remote

- Achieved course grade of **98%+** in all 3 courses taken in program
- Engineered a full-stack banking application with GUI and database integration using Python and SQL
- Designed and implemented a Python-based restaurant chatbot featuring natural language processing for order-taking and receipt generation
- Mastered collaboration tools including Github, Jira, and Miro, enhancing team productivity and project management skills

PROJECTS

Black-Scholes Model Option Pricing Calculator | C++, Crow, Redis, SvelteKit, Docker

- Developed **C++ Rest-API** for Black-Scholes Model calculation
- SvelteKit frontend and routing
- Currently trying to **Dockerize** Rest-API and web application and pushing docker image to Github

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, SQL, HTML/CSS

Frameworks: Node.js, Flask, SvelteKit, Crow, Tailwind CSS

Developer Tools: Git, Azure DevOps, Docker, GitHub, Terminal/Command Prompt, Jira, Figma, Canva

Libraries: NumPy, pandas, Matplotlib