

Lloyd Alba

Texas 78665 | 512-992-8499 | lloydalba@gmail.com | [linkedin.com/in/lloydalba](https://www.linkedin.com/in/lloydalba)

EDUCATION

Texas A&M University

Bachelor of Science in Computer Science

College Station, TX

Dec. 2027

EXPERIENCE

Software Engineer Intern

Arrive Logistics

Jun. 2025 – Aug. 2025

Austin, TX

- **Modernized a company-wide user management service** by migrating critical infrastructure from .NET Core to .NET 8, implementing centralized exception handling and integrating New Relic telemetry.
- **Resolved CI/CD pipeline failures** by building a fault-tolerant New Relic service-tagging system.
- **Optimized Azure resource governance** by engineering reusable Terraform modules for resource tagging, ensuring compliance across cloud resources and reducing configuration drift.

Software Engineer Intern

Arrive Logistics

Jun. 2024 – Aug. 2024

Austin, TX

- **Architected CI/CD pipelines as code**, migrating three services from legacy GUI configurations to YAML-based pipelines to enforce DevOps best practices.
- **Standardized deployment workflows** by engineering modular pipeline templates for diverse Git branching strategies, eliminating manual configuration effort for new services.
- **Mentored two interns** on pipeline debugging and cloud deployment strategies, enabling the team to deliver project milestones **two weeks ahead of schedule**.

Software Engineer Intern

Arrive Logistics

Jun. 2023 – Aug. 2023

Austin, TX

- **Engineered a Python-based CLI tool feature** that automated high-touch manual workflows, reducing sprint overhead by **14%** and generating **\$38,400** in annual operational savings.
- **Significantly reduced** application setup time for Kubernetes deployment from **2 days to under 3 minutes**.
- **Delivered a high-impact presentation** about the project to **80+** engineers and Code2College board.

PROJECTS

Pupil — Agentic AI Shadowing Framework | *Python, Playwright, Claude API*

- Developing an AI framework that enables agents to shadow engineers during live workflows, learn patterns through observation, and autonomously execute learned tasks.
- Architected a multi-phase system featuring intent token pipelines, adaptive maturity progression, and cost-aware compute tiers to optimize token usage across shadowing, studying, and sentinel modes.

AggieDine — Social Media Food App | *Python, AWS Cognito, React Native*

- Leading a team of 6 backend engineers to build a social dining platform for Texas A&M students, managing sprint planning and task delegation.
- Designing a microservices backend architecture with AWS Cognito for authentication, enabling independent scaling and deployment of core platform services.

ima — Habit and Task Tracker | *Swift, SwiftUI*

- Developing fully featured habit & task tracking application as alternative to subscription-based productivity tools.
- Iterated on a custom UI/UX design philosophy through 5+ design revisions, resulting in an application on track to be a polished and fully tested SwiftUI application.

ACHIEVEMENTS

1st Place Overall — TAMUHack 2026 Hackathon (650+ Competitors)

1st Place Notion-API — Texas A&M Computing Society Build4Good 2025 Hackathon

2nd Place arm-challenge — TAMUHack 2025 Hackathon

TECHNICAL SKILLS

Languages: Python, C++, Swift, .NET

Technologies: Git, Azure, Azure DevOps, Docker, GitHub, Terminal/Command Prompt