ETHAN ORTIZ

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EDUCATION

Texas A&M University

B.S. in Computer Science, 3.83 GPA   *Aug. 2021 – May 2026*

EXPERIENCE

Software Development Engineer Intern @ **Amazon**

Bellevue, WA   *Aug. 2025 – Dec. 2025*

- Design and created a CI/CD pipeline for validating and testing configuration changes for Amazon's freight path planning optimizer
- Created and executed migration plan to safely migrate individual configuration files to the new pipeline
- Engineered new features for existing metrics framework that allows configuration changes to be monitored in a testing environment before deploying to production

Software Engineer Intern @ **Asana**

San Francisco, CA   *May 2025 – Aug. 2025*

- Created a new build signature, distribution, and verification system to increase the security of production deployments on AWS Lambda and Kubernetes
- Refactored secret management system and internal python scripts to ensure security and reliability of deployed secrets
- Engineered VPCs in terraform with a focus on security and compliance for use by government agency
- Created an alert system for LLM prompt injection attacks within the AI features on Asana's production webapp

Software Engineer Intern @ **Asana**

San Francisco, CA   *May 2024 – Aug. 2024*

- Developed end to end and shipped a new "Portfolio Creation Flow" that drove more engagement with a paid feature by **15%**
- Created a new "Goal Share Modal" that generated valuable new invitations, growing our customer base
- Used Typescript/React and GraphQL for front-end development as well as Typescript and Scala for back-end development

IT Coordinator @ **Texas A&M University**

College Station, TX   *July. 2022 – June. 2025*

- Developed an LLM chatbot to answer IT questions which drove **50%** less staffing costs for chat shifts
- Developed an internal tool to automate a variety of weekly reports which resulted in a **95%** decrease in time spent on reports
- Designed and created a tool for creating knowledge articles that drove **25%** more articles to be created

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C#, C++, Scala, Go, Ruby, Terraform, HTML, CSS
Frameworks and Libraries: React, GraphQL, Node.js, Ruby on Rails, Angular.js, Next.js, Vue.js, jQuery, Spring, Maven
Other Skills: Git, Github, Docker, Amazon Web Services, Azure, Kubernetes, Agile, Linux, PostgreSQL, Redis

PROJECTS AND LEADERSHIP

SpatialGen - SLAM | *Python, OpenCV*   *Jan. 2025 – May. 2025*

- As a part of a capstone project, worked with a startup company in Houston
- Created processes to generate depth data and camera tracking using machine learning, which resulted in a model that only requires data from normal video formats and does not require any extra sensors

GoBabyGo Application System | *Ruby, Ruby on Rails*   *Jan. 2024 – May 2024*

- Developed a new application process that resulted in **50%** more applicants for a non-profit
- Created RESTful API using Ruby on Rails and mySQL

Aggie Coding Club - Project Lead | *Python*   *Aug. 2022 – Dec. 2022*

AWARDS

Eagle Scout, National Hispanic Scholar, 3x Dean's List, TMEA All-State Bass Clarinetist, DECA International Finalist