

# Adam Sulemanji

713-360-9175 · Houston, Texas · adamsulemanji@tamu.edu  
linkedin.com/in/adamsulemanji/ · www.github.com/adamsulemanji · www.adamsulemanji.com

## Education

### Texas A&M University

*Masters of Computer Science; BSc in Computer Science; Minor in Statistics*

May 2025

GPA: **3.92**

- **Relevant Coursework:** Machine Learning, Statistical Computing, Linear Modeling, Database Systems, Parallel Computing
- **Programming Languages/Tools:** Python, C++, Java, Typescript, JavaScript, React, R, HTML, PHP, SQL

## Experience

### Amazon – Seattle, Washington

May 2024 – August 2024

*Software Development Engineering Intern*

- Implemented event-based system leveraging Java, TypeScript, and AWS Lambda, SQS, and APIGateway to automate the creation of offers across global marketplaces, significantly reducing manual efforts from 2hr to 30s.
- Gathered and analyzed requirements from over 12+ team, addressing an open-ended problem space to ensure the solution met diverse needs and integrated seamlessly with various existing systems through fully implemented Design Document
- Architected scalable solution by evaluating and replacing outdated packages with current technologies, ensuring the system was up-to-date, maintainable, and future-proof

### Goldman Sachs – Dallas, Texas

June 2023 – August 2023

*Market Risk Summer Analyst*

- Built a metric project leveraging proprietary programming language, 'Slang', to consolidate and streamline all daily market risk reports and metrics, increasing efficiency and data accessibility from ~6hr to ~4 mins
- Supervised daily and weekly changes in market risk metrics for Goldman Sachs Bank, overseeing limits across global interest rate products, currencies emerging markets providing essential reports to Managing Directors and VPs
- Developed proficiency in unique internal tools, enhancing monitoring and report capabilities in market disk division through Delta, Gamma and Vega values contributing to risk management and strategic decision-making

### PricewaterhouseCoopers (PwC) – Houston, Texas

May 2022 – August 2022

*Data and Technology Intern*

- Leveraged Alteryx, PowerBI, and Excel to cleanse and automate analyze of 250,000+ points of data
- Utilized non-profit sponsorship information over 14 years to analyze trends, gain patterns/insights and visualize findings in order to increase donor retention and frequency
- Collaborated with a group of 5 to present findings, analysis, and recommendations to non-profit leadership

### Southwest Research Innovation Lab – College Station, Texas

August 2024 – Present

*Research Assistant*

- Developed custom Bitcoin library utilizing elliptic curve cryptography (ECC), finite fields, and transaction structures, enabling automated Bitcoin process creation with large language models (LLMs) and AI agents.
- Collaborated with startups such as LlamaIndex, LangChain, and doubleO.ai to implement advanced AI-driven solutions, leveraging generative AI to streamline Bitcoin process development.

### LingoLeap – College Station, Texas

August 2023 – December 2023

*Backend Engineering Lead*

- Created with a team of 5 a bilingual children's language app using Swift, UIKit, and Firebase Suite, enhancing vocabulary learning through engaging UI/UX designs and storyboard
- Architected 'Learn' and 'Explore' Modes in app, integrating YOLOv8 and Google Cloud Vision along with recommender system for interactive quizzes and object detection to bolster language skills

## Leadership & Involvement

### Student Engineers' Council – Texas A&M University

September 2022 – November 2023

*System Administrator Senior Chair; Senior Project Manager*

- Developed and maintained websites using a variety of programming languages and frameworks, including Ruby on Rails, ASP.NET, MERN, and HTML/CSS/JavaScript to prepare 4 deliverables per semester and support solutions implementation
- Hosted and published cloud/virtual machine services using AWS, GitHub, Digital Ocean, and Heroku

### Memorial Student Center Freshmen in Service and Hosting (MSC FISH)

April 2020 – April 2023

*Executive Director of Development; Assistant Director of Grants and Donations*

- Directed team of 5 Assistant Directors and 25 freshmen to host an event with over 1750 people bringing in \$20,000+ for internal and external events as well as providing an avenue for local organization on Texas A&M Outreach
- Led weekly meetings, worked with local organizations and managed budgets to facilitate a smooth workflow