

# TAM NGUYEN

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Active Top Secret/SCI Clearance

## EXPERIENCE

### Altamira Technologies

McLean, VA

Full-stack Software Engineer (Amazon Kuiper)

Jun. 2023 – Present

- Develop, deploy, and maintain front-end and back-end services for Amazon's Kuiper project, ensuring high standards of code quality, security, and scalability for applications and services
- Design and maintain comprehensive end to end testing for both front-end and back-end services using Hydra Test Platform
- Build and optimize deployment pipelines, implementing monitoring solutions to ensure system reliability and performance
- Help in troubleshooting and resolving product feature issues, contributing to a 20% improvement in overall applications
- Delivered and launched 15+ key features, showcased to Kuiper's stakeholders and customers
- Technical Exposure: Java, Amazon Web Services (DynamoDB, MemoryDB for Redis, S3, SQS, SNS, Lambda, API Gateway, VPC, Cognito, Route 53, CloudFront, Secret Manager, Cloud Development Kit, CloudFormation, CloudWatch, CRUX), React, JavaScript, TypeScript, HTML/CSS, Python, REST APIs, Junit, Jest, Cypress, Git

### Adobe

San Jose, CA

Software Development Engineer Intern

Jun. 2022 – Aug. 2022

- Developed, implemented and delivered 5+ new frontend features, enhancing user experience on Adobe Marketo platforms
- Troubleshooted and resolved 5+ feature issues, while maintaining and improving existing features across Adobe Marketo platforms services
- Collaborated with cross-functional teams to deliver comprehensive solution designs that align with business and user needs
- Technical Exposure: React Redux, JavaScript, TypeScript, HTML/CSS, Jest, Git, Jenkins

### Citi Group

Irving, TX

Software Development Engineer Intern

Jun. 2021 – Aug. 2021

- Developed and implemented APIs for Citi's Developer Hub portal
- Integrated Citi's APIs to allow third-party customers access a full utilization of Citi's Developer Hub portal
- Technical Exposure: Java, AWS S3, DynamoDB, Lambda, API Gateway, Junit, Mockito, Postman

## PROJECTS

### AI Expense Tracker

- Designed and built a platform to help users achieve personal financial goals by tracking daily spending through interactive charts on the app and SMS summary alerts
- Integrated a machine learning recommendation algorithm to accurately predict user's financial trends based on spending data
- Implemented secure user authentication for the application using SSO and Google's Two-factor Authenticator in Python
- Technical Exposure: Python, Flask, React, JavaScript, HTML/CSS, SQLite, PostgreSQL, Twilio API, Heroku

### DACO Airfield Management

- Worked with a Georgia Tech professor and a team of 5 members to design and build an Android mobile application for the U.S. Army to perform appropriate operations in the airfield
- Applied advanced data structures and algorithms, including FIFO, SJF, and Priority Queue to implement a bump plan service that optimized the prioritization and reallocation of personnel and cargo, ensuring efficient aircraft loading and operations
- Technical Exposure: Android Studio, Java, Kotlin, Firebase, Junit, Git, Figma

### Travel Plan

- Designed and built a serverless application to help users in creating detailed itineraries by fetching from the OpenAI API
- Performed automated API testing with Postman and deployed the app via Azure Functions
- Technical Exposure: Python, Bubble.io

## SKILLS

- Technical Skills: Java, React, JavaScript, TypeScript, Python, Amazon Web Services (AWS), Junit, Jest, Cypress, CI/CD
- Developer Tools: Git, IntelliJ, VS Code, Jira, Agile
- Certifications: AWS Certified Developer (Aug. 2024 – Aug. 2027), LinkedIn React.js (Aug. 2022)

## EDUCATION

### Georgia Tech University, College of Sciences

Atlanta, GA

Bachelor of Engineering, Major in Computer Science

2019 – 2023

- Coursework: Data Structures and Algorithms, OOP (Java), Operating Systems, Web Development, Intro to Database
- Honors: Georgia Tech GHC Scholarship Recipient and Attendee (2020)