

Matthew Stafford

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EDUCATION

Texas Christian University

Fort Worth, TX

Bachelor of Science in Computer Science | Mathematics Minor

May 2027

Major GPA: 3.8

Overall GPA: 3.68

COMPUTER SKILLS

Languages: Java, TypeScript, SQL, C, Python

Operating Environments: MacOS, Linux, Windows

Frameworks/Tools: React, FastAPI, Flask, Node.js, Firebase, AWS CDK, Spring Boot, MySQL

EXPERIENCE

Full-Stack Developer Intern, TherapodAI, Dallas, TX

Jun 2025 - Present

- Built **NFC tap-to-login** workflow by shipping **FastAPI** endpoints with geofenced region resolution (Haversine), **Firestore** document routing, and **Firebase** custom token minting for secure device sign-in.
- Shipped session **orchestration + safety services** (create/start session, escalation email) and deployed via **AWS CDK (API Gateway and Fargate)** with validation + structured logging.
- Refactored **React Native UI** to support dynamic dark/light mode (ThemeContext) and internationalization (i18next), including locale-aware date formatting.

Fitness Facility Staff, Texas Christian University, Fort Worth, TX

Aug 2024 - Present

- Oversee and manage the weight room, supervising over 100 patrons.

PROJECTS

Enterprise Project Tracker, *Personal Project*,

Oct 2025 - Present

- Engineered a **React** UI consuming a **Spring Boot REST API** with JWT-based, stateless auth and role-based access (Spring Security).
- Containerized and deployed via **Docker** and **Nginx** to a self-hosted Raspberry Pi, securing remote access with **Tailscale VPN**.
- Designed a normalized **MySQL** schema using **Spring Data JPA**.

Serverless Cloud Photo Gallery, *Personal Project*,

Oct 2025 - Nov 2025

- Architected a **serverless microservices application** using **AWS Lambda** and **API Gateway** to handle image processing and metadata, reducing idle compute costs.
- Secured RESTful endpoints via **Amazon Cognito** User Pools, implementing custom JWT authorizers to manage user authentication and session validity.
- Designed a scalable storage architecture using **S3** for static hosting and BLOBs, integrated with **DynamoDB** for low-latency metadata retrieval.

RELEVANT COURSEWORK

Operating Systems

Analysis of Algorithms

Computer System Fundamentals

Computer Networks

HONORS, MEMBERSHIPS, AND ACTIVITIES

Phi Kappa Sigma Fraternity, 2023 - Present

TCU Dean's Scholar, 2023 - Present

Member, TCU ACM (Association for Computing Machinery), 2024 - Present