

Jaiom Rola

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Education

The University of Texas at Dallas

Richardson, TX

Bachelor of Science in Computer Science, Minor in Finance

Graduation: May 2028

Coursework: Theory of Computing, Computer Architecture, Unix, Programming Languages, Fundamentals of AI, DS & A

Experience

SailPoint

Austin, TX

Full Stack Software Engineering Intern

June 2026 - Present

- Built an AI identity risk scoring simulator evaluating four risk dimensions across 50+ signals using time-decay scoring
- Developed a Go REST API with JWT auth and JSON serialization, cutting response latency from 312ms to 278ms
- Deployed the simulator to dev environments via Docker, nginx, and Jenkins, enabling 40+ engineers to run assessments
- Restructured a Redis token-bucket API throttler, migrating from per-tenant isolation to global, burst-configurable limits

UTD Nebula Labs (Open Source)

Richardson, TX

Full Stack Software Engineer

May 2024 - Present

- Integrated Rate My Professor API data into the professor search module, surfacing 8,000+ records with review sentiment
- Cut database query response times from 143ms to 97ms through query result caching and schema denormalization
- Implemented Azure deployment rollbacks and CI/CD workflows, cutting failed deployment recovery time from 18 min to 4 min

Goldman Sachs

Dallas, TX

Software Engineering Apprentice - Engineering Leadership Series

December 2025 - April 2026

- Introduced a Mutual Fund Calculator using FastAPI and Angular with Monte Carlo simulations and CAPM modeling
- Halved projection error (14.2% to 7.1%) by validating the model against 5-year historical backtests
- Developed Python backends handling 3,247 peak requests/min; validated 300 concurrent users via Locust load testing

Serent Capital

Austin, TX

Cyber Security Intern

May 2024 - August 2024

- Built a Python automation tool using the Datadog API for real time cybersecurity risk assessments and monitoring
- Reduced incident response time from 47 to 34 minutes over manual workflows via automated anomaly detection alerts
- Presented 20-slide cybersecurity findings to 4 C-suite members, translating technical risks into business impact

Ojo Labs

Austin, TX

Full Stack Software Engineering Intern

May 2022 - August 2022

- Developed relationship timeline enabling 14,000+ agents to view interaction history, improving real estate engagement tracking
- Migrated 100% of active users to internal relationship tooling via scalable MVP, handling 2,100+ peak users.
- Implemented API integrations with third-party services, using token-based authentication and RESTful endpoints

Projects

SailPoint

Adjacent – AI Agent Project Management | *NVIDIA Nemotron, Next.js 14, TypeScript, Supabase, Tailwind* | HackUTD

- Built a 3 agent NVIDIA Nemotron pipeline to decompose goals, extract entities, and generate tasks for a live board.
- Added server side orchestration with a re prompt retry loop and JSON validation to ensure structured LLM outputs.
- Created an intuitive dashboard allowing users to review, edit, and approve agent proposed tasks before database insertion.

MLB & Fifa prediction engine | *GO, SQLite, Next.js, Typescript, Tailwind, MLB Stats API, OpenFootball* | Side Project

- Created a baseball prediction model that estimates team statistics from a public API and converts them into win probabilities.
- Developed a live-game ML model generating real-time projections, cutting prediction error 18% vs. static odds
- Implemented a track record system to backtest finished games, maintaining a ~65% win rate across a 500 game sample size.

Technical Skills

Programming | Python, Go, SQL, C++, Java

Frameworks & Libraries | Next.js, React, Node.js, FastAPI, Pandas

Cloud / Infrastructure | Azure, Jenkins, Docker, Redis

Tools & Platforms | Docker, Git, Supabase, Firebase, MongoDB, PostgreSQL, SQLite, Unix/Linux