

Adam Moffat

adamrmoffat@gmail.com | (630) 207-2417 | [Linkedin](#) | [Adamrmoffat.com](#)

EDUCATION

The University of Texas at Dallas

May 2025

B.S. in Computer Science: Academic Excellence Scholarship

GPA: 3.6

Relevant Coursework: Algorithm Design and Analysis, Database Systems, Operating Systems, Software Project Management

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript/TypeScript, HTML/CSS

Frameworks & Tools: ReactJS, NextJS, NodeJS, AWS, ExpressJS, Git, Figma, Tailwind CSS,

Databases: MongoDB, Supabase, PostgreSQL, SQLite

PROFESSIONAL EXPERIENCE

The Genie Company – AI Engineer; Dallas, TX

August 2024 – Present

- Configured and optimized Google Dialogflow, creating over 20 custom intents and entities, ensuring natural language understanding for enhanced chatbot responses
- Integrated the Dialogflow agent into a React frontend, ensuring smooth, responsive customer engagement across platforms
- Led comprehensive testing, simulating various user scenarios and edge cases, improving response accuracy by 30%

Caring Guide – Software Engineer Intern; Dallas, TX

April 2023 – December 2023

- Developed Caring Guide's mobile app and website using ReactJS, NodeJS, and TailwindCSS, ensuring a versatile UI experience
- Managed frontend and backend development, added new features, and customized site for enhanced user engagement
- Led database management, prioritizing accurate and extensive data capture, alongside prompt issue resolutions
- Engineered a custom web scraper on the site to proficiently process custom scripts, handling 1000+ websites per run
- Performed rigorous website testing and adeptly resolved bugs and issues, enhancing platform stability and user experience

ML Network Intrusion Detection Research – Team Researcher; Richardson, TX

January 2024 – Present

- Designed custom machine learning models for network intrusion detection using Python and Scikit-learn, focusing on clustering models capable of handling unknown threat classes while minimizing false positives through misuse and anomaly detection
- Collected, processed, and applied network data using Python to enhance machine learning models for threat detection
- Contributed to weekly meetings to innovate our security model accuracy, promoting team synergy and continuous learning

R&C Marketing – Product Manager; Lexington KY, Sherwood AR, Columbia, MI

May 2024 – September 2024

- Managed a client management database to handle 200+ new clients and generate over \$130,000 in revenue in 2 months
- Implemented digital and D2D marketing strategies to successfully penetrate each market and gain an edge over competitors
- Led daily stand-ups to coordinate with the marketing team, enhancing team productivity and client management efficiency
- Secured a developer for MissouriPest and RandCPest website and sourced a new supplier for company merchandise

PROJECTS

[FinTeach](#) – React, Flask, OpenAI, Plaid:

October 2024

- Won 1st Place in two categories at HackUNT 2024 for creating FinTeach, a financial planning tool tailored for Texas teachers, featuring TRS 403(b) retirement insights and personalized budgeting tools.
- Integrated Plaid to securely retrieve bank data, powering a dynamic front end with React and Chart.js for real-time, interactive financial visualizations like retirement projections.
- Leveraged OpenAI to deliver tailored financial guidance, addressing teachers' specific financial needs.
- Employed Flask for backend data processing and AI integration, ensuring smooth, secure performance across the platform.

KTP Sports-App AI – React, Redux, JS, Java, Bootstrap, TailwindCSS, nba_api API

February 2023

- Collaborated with a 7-member software engineering team to develop the KTP Sports App, a moneyline prediction software
- Utilized React, Redux, JS, Java, Bootstrap, and TailwindCSS, meticulously designing a modern sleek front-end, complete with intuitive search, dynamic filtering, and navigational modules, ensuring a seamless, engaging, and user-centric experience
- Integrated the nba_api as well as additional data sources to accurately predict player and game statistics

EXTRACURRICULAR ACTIVITIES

Kappa Theta Phi – Project Manager; Richardson, TX

August 2023 – December 2023

- Project Managed DynaFit's comprehensive development cycle, an AI driven React Native fitness application
- Implemented Agile Scrum for efficient project management, developed use cases and AWS/React stack, orchestrated dynamic sprint planning, and executed white box testing to ensure robust, industry-aligned feature delivery