

# TEMITAYO ADEROUNMU

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## Education

### University of Texas at Arlington

GPA: 3.8/4.0

*Bachelor of Science in Computer Engineering*

- *Honors:* Dean's List, Merit-Based Presidential Scholarship recipient, Maverick Advantage Scholar recipient
- *Activities:* Member of Alpha Lambda Delta Society, UTA Volunteers, NSBE & SWE [2020-Present]

*Minor in Computer Information Systems and Assurance, Minor in Mathematics*

- *Relevant Courses:* Advanced Application Development, Database Management, Information Systems Analysis & Design

## Technical Skills

**Languages:** Python, SQL, R, VBA, C/C++, Java, JS, HTML/CSS, Dart, Verilog, ARM Assembly, TypeScript

**Data & Analytics:** Power BI, Tableau, Excel, Alteryx, Jupyter, SciPy, StatsModels, A/B Testing, KPI Tracking

**Tools & Platforms:** VS Code, SQL Server, AWS, MongoDB, Jira, ClickUp, GitHub, Microsoft Office, SAP, Figma

**Embedded Systems:** Code Composer Studio, Altera Quartus Prime, LTSpice, Matlab, Simulink, PCB Design, Vivado

## Experience

### Engineering Manager

November 2024 – Present

*FinFinity*

*Arlington, TX*

- Lead a cross-functional team of developers & designers, managing PocketTree, an AI-powered financial tracking app
- Streamline project execution by implementing structured workflows in Jira, reducing the sprint cycle by 25%
- Define quarterly roadmaps and align engineering priorities with product vision, contributing to a 30% lift in adoption

### Technical Program Manager

June 2018 – April 2025

*Canaanland*

*Irving, TX*

- Delivered 60+ live-streamed events, managing AV systems for seamless, high-stakes presentations
- Led project execution using Confluence, boosting team alignment and accelerating delivery timelines
- Cut incident resolution time by 40% through structured response protocols and proactive communication

### Data Scientist Intern

August 2023 – May 2024

*State Farm*

*Dallas, TX*

- Developed an automated scam detection system using Python (Pandas, NumPy, Seaborn), and API integrations
- Optimized ETL pipelines (MongoDB), boosting fraud prediction accuracy by 30% using ML models ((RF, SVM)
- Integrated data visualization tools (Recharts, Chart.js) into an interactive dashboard for fraud detection insights
- Authored unit test cases and technical documentation, ensuring robust SDLC adherence

### Undergraduate Research Assistant

January 2021 – April 2024

*Hybrid Atelier*

*Dallas, TX*

- Performed statistical analysis on large datasets using Python(SciPy, StatsModels) and R
- Led usability testing and A/B experiments, providing insights that drove optimization of HCI frameworks
- Delivered **50+** presentations on emerging technologies, simplifying complex technical data for diverse stakeholders

## Projects & Research

### State Farm Automobile Fraud Detection | *Python, SQL, MongoDB, AWS, Git* | [ProjectLink](#)

May 2024

- Designed a fraud detection software integrating data scraping using Python (Selenium, BeautifulSoup)
- Automated reporting with 8+ GitHub Action, via AWS ECR, EventBridge, & Vercel, reducing manual tasks by 90%

### Angle of Arrival Detection Device | *C, Embedded Systems, Hardware Design* | [ProjectLink](#)

December 2023

- Developed a low-power angle of arrival (AoA) detector with 3 mics, achieving 82% accuracy via cross-correlation
- Designed a command-line interface (CLI) for real-time system configuration and data logging

### Pulse & Respiration Monitor | *C, ARM Cortex, Data Acquisition, Code Composer Studio* | [ProjectLink](#)

January 2023

- Developed a biometric monitor using a phototransistor and HX711 strain gauge for real-time tracking with 95% accuracy
- Integrated a shell interface for live data viewing and custom alerts via a PWM buzzer

### Secure FileXfer | *C, Python, Network Security, Risk Analysis* | [ProjectLink](#)

July 2022

- Designed a secure cloud-based file transfer system using Python (Fernet encryption), reducing data breach risk by 40%

## Certifications

- Simulink Certified

[Certificate Link](#)