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/Frameworks: Python, SQL, R, VBA, C/C++, Java, JS, HTML/CSS, Dart, Verilog, ARM Assembly
Software/Analytical Tools: Power BI, Tableau, Excel, Alteryx, VS Code, Jupyter, SAP, Figma, UI/UX Wireframing
Technologies & Platforms: SQL Server, PostgreSQL, AWS, MongoDB, Jira, ClickUp, GitHub, Microsoft Office, Unity
Circuit Design: Code Composer Studio, Altera Quartus Prime, LTSpice, Matlab & Simulink, PCB Design, Vivado

Experience

Engineering Manager **Novemeber 2024 – Present**

FinFinity *Dallas, TX*

- Lead a cross-functional team of developers & designers, managing development workflows via **ClickUp**.
- Built PocketTree, an AI-driven budget & financial tracking app, leading feature prioritization & UI/UX using **Flutter**.

Systems Manager **June 2018 – Present**

Canaanland *Irving, TX*

- Oversee enterprise-wide technical systems, ensuring reliability and peak performance.
- Managed **50+** presentations and live-streamed events with advanced AV equipment, boosting engagement by 60%.

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, improving outcomes by 15%.
- Led usability testing and A/B experiments, providing insights that drove optimization of HCI frameworks.
- Delivered **20+** 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 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