

# TEMITAYO ADEROUNMU

Dallas, Texas

☎ 682-408-3838 ✉ [aderounmutemitayo@gmail.com](mailto:aderounmutemitayo@gmail.com) [LinkedIn-Temi](#) [GitHub-Temi](#) [Website](#)

## 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, 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, Azure, MongoDB, Linux, GitHub, Microsoft Office, Unity

**Circuit Design:** Code Composer Studio, Altera Quartus Prime, LTSpice, Matlab & Simulink, PCB Design, Vivado

## Experience

### Senior System Engineer

June 2018 – Present

*Canaanland*

*Irving, TX*

- Directed cross-functional teams, managing timelines and deliverables through automated workflows (**Jira, ClickUp**).
- 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.

### User Experience Design Specialist

February 2020 – November 2024

*Olutunu*

*Dallas, TX*

- Enhanced app UX by 25% through strategic design and coordination with developers, enhancing content integration.
- Supervised usability audits with Figma, Adobe, and heuristic evaluation techniques, cutting development time by 15%.

## 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](#)