

# TEMITAYO ADEROUNMU

Dallas, Texas

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

## Education: University of Texas at Arlington

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### - College of Engineering

August 2020 – May 2024

*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]

### - College of Business & College of Science

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

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

## Technical Skills

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**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

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### Data Scientist Intern

August 2023 – May 2024

*State Farm*

*Dallas, TX*

- Developed an automated scam detection system using Python(Pandas, NumPy), 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.

### 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.

### Senior System Engineer

June 2018 – Present

*Canaanland Inc*

*Irving, TX*

- Led system upgrades and migrations(Ansible, Docker) ensuring seamless transitions and improving performance by 30%.
- Managed 50+ presentations and live-streamed events with advanced AV equipment, boosting engagement by 60%.

### 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

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**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%

**Sound System Device** | *C, Embedded Systems, Data Acquisition, Hardware Design*

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*

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.

**File Transfer & Encryption** | *C, Python, Network Security, Risk Analysis*

July 2022

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

## Certifications

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- Simulink Certified

[Certificate Link](#)