

Sulaimon Sule-Onosipe

Sullieonosipe@gmail.com | [linkedin.com/in/sulaimonsule-onosipe](https://www.linkedin.com/in/sulaimonsule-onosipe) | Austin, TX | 346-529-5686

EDUCATION

The University of Texas at Austin - Austin, TX

Expected Graduation: May 2026

B.S Electrical and Computer Engineering

- Coursework: Computer Architecture, Probability, Circuit Theory, Algorithms, Software Design and Data Structures, Embedded Systems
- College Activities: National Society for Black Engineers, Institute of Electrical and Electronics Engineers.

EXPERIENCE

Airbnb:

Software Engineering Intern - Houston, TX

May 2025 - August 2025

- Developed method to **dynamically render Smart Solutions** component on Help Center, increasing number of **actionable clicks by %10** and improving number of user solved cases by an **estimated 7%**.
- Created a pipeline, in the form of DAG **using Airflow** open source software, to **log user impression data** from Kafka, establishing a **strategy to monitor user views** and **transform views into actionable data** in response to users needs, enhancing **future ability to improve smart solution service**.

ConocoPhillips:

Data Engineering Intern - Houston, TX

May 2024 - August 2024

- Modernized current On-Premise Teradata Enterprise Data Warehouse System by assisting with the migration to Cloud Based Snowflake Data Warehouse which will later be used to power **70% of all reporting and analytics data produced by ConocoPhillips**
- Wrote scripts to automate the **row by row comparison of 85,000,000,000** data entries from tables in SAP and Teradata into Snowflake using SQL written scripts and the automation tool Tosca DI, saving the company decades of manual labor, **\$300,000** worth of employee capital by doing the job of 3 full time employees.

Software Engineering Intern - Houston, TX

May 2023 - July 2023

- Automated a process using Apache Kafka and Azure Event Hub that increased business intelligence use of monthly acquired assets worth **\$1.3 million** dollars, ensuring optimal company asset utilization.
- Updated the SCADA System using CSV files and Windows Text Imports.
- Significantly enhanced operational visibility for more than **600 gas compressors** by implementing duplicates within the Cygnet COP SCADA System, facilitating real-time data collection and enabling continuous optimization of operations

PROJECTS

Bubble Sort Visualizer

Spring 2025

- Built an interactive sorting visualizer using **React.js** (frontend) and **Spring Boot** (backend).
- Implemented **real-time updates** by fetching sorting steps via **Axios** from the backend.
- Visualized the sorting process with bars representing numbers, dynamically updating with each step, while including a sorting speed slider for enhancing user experience.

LC-3b Simulator Development

Fall 2024

- Engineered a **cycle-accurate simulator** for the LC-3b microarchitecture, implementing modules like the **micro-sequencer, control store, memory, and datapath**.
- Developed logic for **exception handling, instruction decoding**, and bus operations, creating a robust foundation for understanding real-world computer architecture.
- Achieved a **15% reduction in the number of states** (50 vs. the typical 58) through **strategic design optimizations**, streamlining micro-operation flows and **enhancing simulation performance**.

LEADERSHIP & AFFILIATIONS

National Society of Black Engineers - Vice President

Fall 2024 - Present

- Oversees the membership body of over 150 personnel by large.
- Administers policies to improve the overall wellness of membership such as Google Forms Feedback systems, LinkedIn Interview Series.

National Society of Black Engineers - Corporate Liaison

Fall 2023 - Summer 2024

- Raised over **\$32,000** worth of funds used to ensure the maintenance of NSBE, and opening doors for our members.
- Head of Corporate Relations and External Connections for the University of Texas

SKILLS & INTERESTS

Technical Skills: C, Java, Python, C++, SQL, Snowflake DB, Microsoft Azure, Verilog, Arduino, Excel, VIVADO