**Eric Itemuagbor
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**OBJECTIVES**

Seeking an internship in the computer science field. Strong foundation in Computer Information Systems complemented by proficiency in programming, database management, and robust analytical capabilities.

**EDUCATION**

**M.Sc. Computer Information Systems – GPA 4.0/4.0 Expected Graduation: June 2025**Prairie View A&M University, Prairie View, TX

**B.Sc. Economics**Benson Idahosa University, Nigeria

**SUMMARY OF TECHNICAL SKILLS**

* **Languages:** Python, C++, C#, HTML, CSS, JavaScript / TypeScript, SQL, Bash
* **Frameworks/Tools:** React, Next.js, Express, Django, Pandas, NumPy, TensorFlow, Scikit-Learn, Power BI, SPSS, Unity
* **Databases:** MySQL, MongoDB | **Environments**: Linux, Windows.
* **Others:** Arduino, REGEX, REST APIs, Git

**WORK EXPERIENCE**

**Graduate Assistant – ML and Data Analysis Prairie View A&M University Aug 2023 – Present**

* Conduct extensive research in big data analytics at the Center of Excellence in Research and Education for Big Military Data Intelligence (CREDIT).
* Leveraged PySpark and SQL to process and query large data across distributed systems, and utilizing Python with Pandas, NumPy, and Scikit-Learn for comprehensive data analyses, identifying patterns and insights pivotal to the research direction.
* Develop sophisticated machine learning and deep learning models using TensorFlow and Scikit-Learn to address complex challenges within big data analytics.
* Maintained thorough documentation of research methodologies, findings, and code on GitHub, ensuring reproducibility and facilitating collaboration among team members.
* Regularly produce progress reports and documentation to effectively communicate research findings and project status, leveraging tools like Power BI or Excel.

**Software Engineer Rexox Integrated Services Nov 2022 – Jul 2023**

* Collaborated in the enhancement and maintenance of the car tracking platform using JavaScript with React and Express, ensuring real-time data representation and a 20% improvement in user engagement.
* Managed and optimized the vehicle data stored in MySQL databases, streamlined query performance by 25%, ensuring faster data retrieval for the tracking platform.
* Automated system updates and routine tasks on the tracking platform's Linux server using Bash scripts, achieving a 70% reduction in downtime.
* Contributed to the firmware development of car tracking devices using C++ and Arduino, ensuring seamless integration with the company's platform and enhancing device reliability.
* Developed and integrated RESTful APIs using Express to facilitate real-time data exchange between the car tracking devices and the platform, reducing latency and improving tracking accuracy.

**PERSONAL PROJECT EXPERIENCES**

**Panther Invent Competition 2023****:** In a 48-hour hackathon, I led a team of 6 engineers to develop an automated Flight Accelerometer Switch (FAS) using Arduino microcontrollers in C++. This system triggers elevation and time recording upon reaching the acceleration threshold.

**AR Furniture Visualizer:** Developed a mobile AR furniture viewer using Unity and C#, allowing users to visualize 3D furniture models in real space. Integrated AR Foundation for precise tracking and optimized performance across various devices.

**Food Blog Website:** Developed a full-stack food blog web application from the ground up. Implemented React front-end interfacing with Node.js and Express back-end REST APIs for seamless data integration. Developed responsive UI components optimized for SEO visibility. Configured custom CMS with admin dashboard for easy content management.

**PVAMU Data Science Club:** Engaged in hands-on data analysis projects. One notable experience involved marketing campaign analysis, where we utilized Python tools like Pandas and Scikit-Learn. Presenting our findings to the club enhanced my data analysis skills and collaboration with fellow data enthusiasts.

**CERTIFICATIONS**

* Nvidia Fundamentals of Deep Learning Certification
* Andela C++ and Python Programming Certification

**ADDITIONAL SKILLS / ACTIVITIES / INTERESTS**

**Professional Association:** National Society of Black Engineers (NSBE) | PVAMU Data Science Club

**Other Skills:** Excellent problem-solving, communication, and collaboration skills. | Typing Speed: 90 words per minute (wpm). | Proficient in statistical analytics.