Oluwasijibomi "Siji" Aisling Akinkugbe

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EDUCATION

Drexel University   **September 2017 – June 2022**
Bachelor of Science in Computer Engineering **GPA-3.74** *- Dean's List 2018-2021*   *Philadelphia, USA*

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS, C, MATLAB, SQL, NoSQL, R, XML
Developer Tools: VS Code, Android Studio, XCode, ModelSim
Technologies/Frameworks: Linux, GitHub, ReactJS, NodeJS, ExpressJS, Git, Flutter, PostgreSQL

WORK EXPERIENCE

ESTEE LAUDER COMPANIES   **September 2020 – March 2021**
Industrial Engineer   *Bristol, USA*
- Created production labor standards, prepared, and issued direct labor utilization and productivity in **Excel and SQL** which increased efficiency by 20%
- Built operational reporting in **Tableau and Power BI** to find areas of improvement for plant efficiency resulting in $250,000 in annual incremental revenue and presented data to upper management
- Applied models and data to understand and predict cost standards for cosmetic products on the market and presented findings to external stakeholders and clients leading to a 15% sales increase for the company's products
- Automated the analysis of monthly plant efficiencies using **Python, JavaScript, and Excel** driving overall plant efficiencies by 12%
- Designed and implemented time study experiments for products to improve the production rate by 20% and reduce production downtime by 12 basis points

MTN NIGERIA COMMUNICATIONS LTD   **January 2020 – March 2020**
IT Interim Program Manager   *Lagos, Nigeria*
- Developed and supported all phases of IT project life cycles including requirements, technical design, coding, unit and acceptance testing, and product installation for MTN Valentine's Day Promo program issuing a 20% increase in the customer satisfaction rate
- Analyzed MTN Tidal Subscription and provided data-backed recommendations to solve low consumer subscription rate leading to a 50% increase in promotion subscribers
- Incorporated sprint backlogs and burn-down charts to increase the visibility of the CLM (Communications Life Cycle Management) Enhancement and Eyeballing project which allowed managers to predict performances and plan accordingly
- Headed clarification meetings with sales and software development department heads to discuss issues and progress of projects

SPARROWATCH LTD   **September 2019 – December 2019**
Engineering Assistant   *Dublin, Ireland*
- Partnered up with other engineers to create a smart camera that identifies and differentiates people from animals
- Researched and implemented remote triggering methods for smart camera such as Passive Infrared Sensors (PIR Sensors) and Long-Range Shotgun Microphones to increase product functionality and raise its market value by 17%
- Coordinated experiments to test the efficiency of the smart camera for both passive infrared sensor triggering method and long-range shotgun microphone method
- Employed the use of **Python, C, Linux, and AlwaysAI** programs for smart camera's software to lower the identification margin of error by 4.5%

PJM INTERCONNECTION LLC   **October 2018 – March 2019**
Real Time Data Management Co-op   *Norristown, USA*
- Created and edited one-line power diagrams for at least 800 power stations located in 13 states on the East Coast of the United States using EMS (Energy Management System)
- Collaborated with teams of engineers to update and alter issues on stations' models in real-time to allow for accurate power distribution by the dispatch department
- Researched and implemented Transmission Equipment Ratings Monitor tickets using both eDART (Electronic Dispatcher Application and Reporting Tool) and EMS to decrease transmission line downtime by 10%
- Conducted editing of one-line displays for quarterly model updates using IMM (Information Management Messenger)

PROJECT EXPERIENCE

Development of Smart Refrigerator | Senior Design Project   **September 2021 - June 2022**
- Spearheaded the front-end and back-end development of cross-platform application to send push notifications to user when food expiration date is approaching using **Flutter, Python, Git, SQL, and PostgreSQL**

Development of Electric Motor Vehicle | Personal Project   **March 2021- June 2021**
- Devised an electric circuit and Arduino program that reacts with changes in temperature, distance and water level to simulate some of the functionality of modern automobiles of this era using **Arduino, servo motors, DC motors, water level sensor, and temperature sensors**