

Siji Akinkugbe BSc

Boston, Massachusetts

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Profile Summary

Detail-oriented computer engineer passionate about using data to drive business growth. Proficient in MATLAB, Python, SQL, and data visualization tools for efficient communication of insights. Equipped with strong communication skills to effectively convey complex technical information to non-technical audiences.

Experience

Novanta Inc

September 2022 – Present

Application Engineer

Bedford, USA

- Managed and streamlined passport drilling application request using a **Lua** script to automate hole-pattern generation based on user-provided passport numbers, enhancing efficiency and reducing process run time by 40%
- Crafted **MATLAB** and **Python** scripts to rearrange fiducial marker position lists, improving data organization and accelerating job execution time by 30%
- Implemented automation using **Power Automate** and **Python** scripts to streamline the quality department's weekly returned materials report generation process, resulting in a 10% increase in personnel productivity
- Spearheaded application support for ASFC (**Automated Scan Field Calibration**) project, conducting feasibility tests and fine-tuning laser marking parameters to aid software team

Estee Lauder Companies

September 2020 – March 2021

Industrial Engineer

Bristol, USA

- Utilized **Excel** to create production labor standards, optimize direct labor utilization and increase efficiency by 20%
- Developed operational reporting in **Tableau** and **Power BI** to identify areas of improvement in plant efficiency, resulting in \$250,000 increase in plant's annual revenue
- Applied data models to predict cost standards for cosmetic products, leading to a 15% sales boost in product sales
- Automated monthly plant efficiencies using **Python** and **Excel** improving plant efficiency by 12%

MTN Nigeria Communications LTD

January 2020 – March 2020

Interim IT Program Manager

Lagos, Nigeria

- Significantly boosted customer engagement in MTN Valentine's Day Promotional program by customizing offers like discounted data and call-time vouchers, resulting in a 20% uptick in participation
- Implemented sprint backlogs and burn-down charts to enhance visibility into CLM (**Contract Life-cycle Management**) Enhancement and Eyeballing project, enabling managers to predict performance and plan appropriately
- Analyzed MTN Tidal Subscription data to generate data-driven recommendations that effectively addressed low consumer subscription rates, bringing a 30% increase in promotion subscribers
- Led clarification meetings with sales and software development heads to discuss project issues and progress, ensuring alignment and effective communication across teams

Sparrowatch LTD

September 2019 – December 2019

Engineering Assistant

Dublin, Ireland

- Collaborated with engineers to develop a smart camera capable of distinguishing between people and animals
- Researched and implemented remote triggering methods using PIR (**Passive Infrared**) Sensors and Long-Range Shotgun Microphones to enhance product functionality, increasing market value by 15%
- Coordinated experiments to evaluate efficiency of the smart camera and utilized **Python**, **C**, **Linux**, and **AlwaysAI** programs to optimize the software and reduce identification errors by 4.5%

PJM Interconnection LLC

October 2018 – March 2019

Real Time Data Management Co-op

Norristown, USA

- Maintained real-time updates of station model designs to optimize power distribution, enabling the dispatch department to achieve a 90% power distribution rate and reduce power outages by 15% caused by obsolete station model designs
- Investigated and executed TERM (**Transmission Equipment Ratings Monitor**) tickets using both eDART (**Electronic Dispatcher Application and Reporting Tool**) and EMS (**Energy Management System**) to decrease transmission line downtime by 10%
- Conducted quarterly one-line display edits using IMM (**Information Management Messenger**) for model updates

Education

Drexel University

September 2017 – June 2022

Bachelor of Science in Computer Engineering - Minor in Business Administration

Philadelphia, USA

Magna Cum Laude

Awards: *Dean's List: 2018 - 2022, Founder's Scholarship 2017 - 2022*

Skills

Languages: Python, HTML, CSS, C, MATLAB, Microsoft Power BI, Tableau, Power Apps, Power Automate, Lua

Developer Tools: VS Code, Android Studio, XCode, AlwaysAI

Technologies/Frameworks: Linux, GitHub, ReactJS, NodeJS, ExpressJS, Git, Flutter, PostgreSQL