

# Oluwasijibomi “Siji” Akinkugbe

*Boston, Massachusetts*

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## PROFILE SUMMARY

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**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

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### Novanta Inc

*Application Engineer*

**September 2022 – Present**

*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 times 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

*Industrial Engineer*

**September 2020 – March 2021**

*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

*Interim IT Program Manager*

**January 2020 – March 2020**

*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 effectively
- Analyzed MTN Tidal Subscription data to generate data-driven recommendations that effectively addressed low consumer subscription rates, bringing a 30% increase in promotion subscribers
- Facilitated clarification meetings with sales and software development heads to discuss project issues and progress, ensuring alignment and effective communication across teams

### SPARROWATCH LTD

*Engineering Assistant*

**September 2019 – December 2019**

*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

*Real Time Data Management Co-op*

**October 2018 – March 2019**

*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 to decrease transmission line downtime by 10%
- Conducted quarterly one-line display edits using IMM (**Information Management Messenger**) for model updates

## EDUCATION

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### Drexel University

*Bachelor of Science in Computer Engineering - Minor in Business Administration*

**September 2017 – June 2022**

*Philadelphia, USA*

*Magna Cum Laude*

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

## TECHNICAL SKILLS

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**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