

Nathan Okolo

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EDUCATION

Bachelor of Science in Data Science | Drexel University | Philadelphia, PA | 2019 – 2024

Awards/Honors: CCI Honors Society: for outstanding scholastic achievement, and excellence (top 5% of the academic program)

Clubs/Extracurriculars: Secretary of Drexel African Union, National Society of Black Engineers, Drexel Table Tennis Club

SKILLS

Python (with libraries such as NumPy, Pandas, and Seaborn) | Java | JSON | MS Power BI | Tableau | Adobe Suite | social media | MS Excel | R | SQL | Android | iOS | OS X | C# | .NET | PHP | JavaScript | Web scraping | HTML parsing | Multi-threading | Agile | TensorFlow | skimage | Scikit-learn

WORK EXPERIENCE

Software engineering intern

Greenhill Technologies

September 2022– March 2023 | Remote

- Developed a rate limiter with C# and .NET, enhancing security and cutting unauthorized logins by 60%.
- Led the creation of a file-upload website using JavaScript/Python and PHP/MySQL, boosting upload efficiency by 35%.
- Manipulated data to access MSCI index codes and values, improving data accessibility and analytics.

Software engineering intern

Dell Technologies

September 2021 – March 2022 | Remote

- Developed and deployed an automated system for cloud data retrieval and analysis using REST API, Boomi tools, Postman, and Python, resulting in a 30% improvement in data accuracy and seamless company data access.
- Created an automated Google Sheets expense tracking model for Dell, Boomi's cloud servers, leading to a 20% reduction in unnecessary expenditures and increased financial transparency.

Data Science intern

PricewaterhouseCoopers (PwC)

January 2021 – March 2021 | Remote

Customer Optimization Platform (COP):

- Designed an acquisition model in R to predict Nigerian bank clients' product or service needs, significantly aiding customer acquisition efforts and leading to a 50% increase in new customers.
- Crafted a customer segmentation model, clustering customers based on similarities in characteristics, which maximized customer value and increased customer retention by 40%.
- Built a recommendation system to forecast customer churn for various Nigerian banks, which reduced churn rates by 15%.

Data Science Intern

PricewaterhouseCoopers (PwC)

September 2020 – December 2020 | Remote

- Developed the Enterprise Continuous Monitoring Platform (ECM-P), a data-driven solution, by leveraging Realtime data from various Nigerian banks and implementing predictive models, resulting in comprehensive and Realtime monitoring of enterprise operations with actionable insights.
- Conceptualized and implemented a model that auto-predicted trends by analyzing data from diverse bank client databases, providing valuable insights, and supporting strategic decision-making.

PROJECTS -

Google Play Store Analysis

- Conducted gaming trends analysis on Google Play Store using Python, Matplotlib, Pandas, and NumPy, earning X Kaggle upvotes and facilitating gaming market understanding.

Brain Tumor Detection

- Created a TensorFlow and Python-based model detecting brain tumors with 90% accuracy, igniting discussions on AI in diagnostics and gaining acclaim. Further enhanced model performance by 15% using cv2 and pandas, with visual insights powered by matplotlib underscoring AI's healthcare potential.