SOLOMON ASIEDU-OFEI JNR

asieduofeijnr@gmail.com | LinkedIn | GitHub | (415) 589-9801 | San Francisco, CA

Education

Master of Science in Data Science	*Jul 2023 – Jun 2024*
University of San Francisco	*San Francisco, CA*
Master of Business Administration – Project Management	*Aug 2016 – Jun 2018*
University of Ghana	*Legon, Ghana*
Master of Science in Embedded Systems	*Apr 2014 – Apr 2015*
University of Greenwich	*Greenwich, UK*
Bachelor of Science in Electrical/Electronic Engineering	*Aug 2009 – Aug 2014*
Kwame Nkrumah University of Science and Technology	*Kumasi, Ghana*

Professional Experience

Project Lead / Data Scientist, Intern   *Oct 2023 – Present*
TruckX Inc   *San Francisco, CA*

- I conducted in-depth market research (using A/B Testing), data analysis and user feedback to identify customer needs, create a WBS resulting in the implementation of geofence recommendation feature that increased user engagement by 30%.
- Currently developing a **Recommendation** Geofence Feature aimed at enhancing route optimization and efficiency for truck fleets, anticipated to significantly cut down on fuel expenses and idle times by 40%. GitHub Repo
- I developed an AI-driven chatbot utilizing **Generative AI** and **NLP** and machine learning to simplify trucking compliance navigation, enhancing driver interaction and document accessibility. GitHub Repo

Project Controller/Analyst   *Apr 2021 – Jul 2023*
Knights a.s. Limited   Accra, Ghana

- I utilized **SQL**, **Google Cloud, Tableau / Power BI** and **Apache Airflow** to automate and optimize financial data models for $50M assets, ensuring precise expenditure tracking and streamlined project budgeting with Earned Value Analysis. Video Sample
- I coordinated with contractors, vendors, and project stakeholders to enhance efficiency in financial processes and spearhead data visualization and dashboards for improved project insights, reducing major risks.

Control System Engineer   *Oct 2017 – Mar 2021*
Ghana Airports Company Limited (Kotoka International Airport).   Accra, Ghana

- Developed a digital inspection for maintenance which enhanced inspection quality and reduced paper waste by over 70%.
- Performed **statistical** and **time series** analysis on the programmable logic controller and SCADA (Supervisory Control and Data Acquisition) to predict when baggage handling equipment will require maintenance, thereby reducing downtime and maintenance costs by 30%.

Co-Founder & Product Manager   *Jan 2016 – Jul 2023*
W.I.N Technologies Limited - Visemgh   Accra, Ghana

- Founded a SaaS software development service company within a year, specializing in small business visitor and employee attendance solutions, achieving a revenue growth of 200% within the first three years.
- Played a pivotal role in market research, prototyping web and mobile apps using **agile** Project Management frameworks, reducing the product development cycle by 40% and increasing client onboarding by 50%. (Gained twice as many clients in three years)

Projects

- Recommendation Geofence Feature Machine Learning Project for trucking management services. GitHub Repo
- Generative AI Data Query Project. GitHub Repo
- Spotify Data Analyser Project. GitHub Repo
- Best Final Year Project Design and Implementation (Semi-Autonomous Mobile Robot). YouTube

Certificate & Skills

Professional Certification	: Certified Project Professional (PMP), Project Management, Agile Methodology, Kanban, Earned Value
Experimentation	: Causal Analysis, A/B Testing, Hypothesis testing, Statistics, Quantitative Analysis, Experimental Design
Programming Language	: Python, R, SQL, NoSQL, HTML, Linux, Tableau, PowerBI, Excel, PowerPoint, Airflow, Cron
Database	: Google Big Query, AWS, Spark, MongoDB, Hadoop, Snowflake, Azure, Databricks, Big Data, Cloud
Libraries and Framework	: Qlik, Git, GitHub, Docker, PySpark. Pytorch, TensorFlow, NumPy, Pandas, Plotly, Scikit-Learn, Matplotlib, C++, Spacy, Scipy, Selenium, Streamlit, AI, Machine learning, Algorithms, object-oriented