Michael Ambrose Affare

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EDUCATION

Carnegie Mellon University, CMU (Pittsburgh, PA)　　　　　　　　　　**May 2023**
Master of Information Systems Management

Kwame Nkrumah University of Science and Technology, KNUST (Kumasi, Ghana)　　**May 2016**
Bachelor of Science in Computer Engineering

CERTIFICATION

- IT Service Management, ITIL® Foundation Certificate
- Google IT Automation with Python Professional Certificate, Google
- Databases and SQL for Data Science, IBM
- Python 3 programming Specialization, University of Michigan

SKILLS

Programming Languages: Python, Java
Database Technologies: Microsoft SQL Server, Oracle, MySQL, SSRS, Bold Reports, MongoDB
Course Work: Agile methods, Data Focused Python, Database Management, Digital Transformation, Financial Accounting, Telecommunications Management, Geographic Information Systems, Measuring Social Media, Distributed systems
Tools: Git, Tableau, Brandwatch, Flourish, Bold BI, Linux OS, Windows OS, ArcGIS PRO, Matterport

WORK EXPERIENCE

Carnegie Mellon University, Heinz College of Information Systems and Public Policy – PA, USA　　**August 2022 – present**
Teaching Assistant – Database Management
- Graded assignments held office hours to clarify concepts to students and facilitated laboratory/recitation sessions.

Data Scientist (Intern) at Hubble.sh - Adelaide, South Australia　　**June 2022 – July 2022**
- Developed a python/Selenium script that automatically gathered over 500+ contact information of potential clients.
- Prototyped an interactive three-dimensional model of a building as the company's energy efficiency visualisation tool.

Freshtrack Systems Limited – Queensland, Australia　　**April 2022 – August 2022**
Application Support Analyst
- Analyzed the fresh food supply chain stakeholders' requirements and designed effective technical solutions.
- Developed automated reports and effective visualisations using MSSQL programming and reporting/visualisation tools.

AirtelTigo (Telecommunication Company, Information Technology Department) - Accra, Ghana
Consumer Solutions Architect　　**May 2021 – August 2022**
- Analyzed customer business requirements and proposed new technical solutions or process improvements.
- Designed and implemented telecommunications products focused on data, voice plans, promotions, and campaigns.
- Maintained knowledge management assets by writing software and technical process documentation and version control.
- Debugged, optimized, and upgraded existing software and products.
- Represented the company at the national level during technical collaborations with the National Communication Authority (NCA) and National Identification Authority (NIA).
- Led the team of three engineers that integrated the Sim Registration Platform with the NIA identity verification API. This improved data quality and reduced fraud risk.

Business Solutions Architect　　**October 2018 – May 2021**
- Implemented technical automations which improved business processes.
- Designed and developed a tailor-made Sales and Distribution Management System for sales and supply chain (with a team of three other engineers).
- Managed third-party integrations and partner interactions.
- Integrated Data Loan Service with Facebook for better visibility; this increased the monthly loan service revenue by 500%.

AWARDS

- Star Performer of the Month, AirtelTigo　　December 2021, February 2020, and December 2019
- STR (Simplicity, Transparency, Relevance) Excellence Award, AirtelTigo　　December 2018

OTHER EXPERIENCE

- Scape Waymouth Apartment, Adelaide, South Australia, *Resident Assistant*.　　May 2022 – August 2022
- OSTEC Limited, Accra, Ghana, *Application Support Engineer*　　September 2017 – October 2018
- Google Maps, Accra, Ghana, *Level 7 Local Guide with 10,000+ contribution points*.　　October 2017 – present

LEADERSHIP

- Vice President of Heinz Finance Club, CMU, Pittsburgh　　August 2022 – present
- Social media sentiment analyst on ESG and Pricing for Yum brands! (KFC, Taco Bell), Pittsburgh　　August 2022 – present
- Team Leader of CMU Heinz Finance Society-Credit Suisse Workshop, New York　　October 2022
- Student Representative Council Secretary, CMU, Adelaide South Australia　　February 2022 – August 2022