

Michael Ambrose Affare

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EDUCATION

Carnegie Mellon University, CMU (Pittsburgh, PA) <i>Master of Information Systems Management</i>	May 2023
Kwame Nkrumah University of Science and Technology, KNUST (Kumasi, Ghana) <i>Bachelor of Science in Computer Engineering</i>	May 2016

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

Relational Database Management Systems: Microsoft SQL Server, MySQL, Oracle, SSRS, Bold Reports

Course Work: Agile methods, Data Focused Python, Database Management, Digital Transformation, Financial Accounting, Telecommunications Management, Telling Stories with Data, Measuring Social, Distributed systems

Tools: Git, Tableau, Brandwatch, Flourish, Bold BI, Linux OS, Windows OS

WORK EXPERIENCE

Carnegie Mellon University, Heinz College of Information Systems and Public Policy <i>Teaching Assistant – Database Management</i>	August 2022 – present
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Developed an automated python script that crawled the internet for potential clients' contact information. This system automatically found over 500 leads and verified their company registration against the Australian Business Registry API.• Prototyped a three-dimensional rendering of an energy efficiency building. This served as an interactive tool for the company to demonstrate the energy efficiency opportunities their AI recommendation engine offered homeowners.	
AirtelTigo (Telecommunication Company, Information Technology Department) - Accra, Ghana <i>Consumer Solutions Architect</i>	May 2021 – August 2022
<ul style="list-style-type: none">• 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 such as writing software documentation, technical process documentation and source code 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
<ul style="list-style-type: none">• 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 (2018)

OTHER EXPERIENCE

- Freshtrack Systems Limited, Boonah, Queensland Australia (*Application Support Analyst*, 2022)
- Scape Waymouth Apartment, Adelaide, South Australia (*Resident Assistant*, 2022)
- OSTEC Limited, Accra, Ghana (*Application Support Engineer*, 2017 – 2018)
- Google Maps, Accra, Ghana (*Level 7 Local Guide with 10,000+ contribution points*, 2017 – 2021)

LEADERSHIP

- Vice President of Heinz Finance Club, CMU, Pittsburgh, 2022
- Student Representative Council Secretary, CMU, Adelaide South Australia, 2022
- Team leader of the prototype design team for the Pints blood donation app, Accra Ghana, 2020