FRANCIS JINGO

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LinkedIn ⋄ Portfolio ⋄ Github

EDUCATION

Cegie Mellon University, Africa   Aug 2020 - May 2022
Msc. Information Technology   CGPA: 3.46
Department of Information and Computer Technology

Harvard University Online, USA   Jul 2020 – Jun 2021
Data Science Professional with R   Certification
Department of Statistics

Kyambogo University, Uganda   Aug 2013 - Dec 2016
Bsc. Information Technology   CGPA: 4.00
Faculty of Science

CARRIER BIO

Software developer/data scientist with professional certifications from Harvard and Carnegie Mellon University Africa. Experience in explanatory data analysis, visualization, model design, and prediction with Python and R. Expert in data structures implementation with C++ and software development with PHP, C#. Interested in designing data-driven products, artificial intelligence, and research to reduce algorithm complexity.

PROJECTS

Prediction of client repayment credibility. | *Python, Data Analysis.*   Summer 2021
Engie Energy Access

Capstone Project: Wine Quality prediction. | *Python, R*   Summer 2021
Harvard University, USA

Vulnerabilities of Biometric Authentication Using an Attack Tree.   Spring 2021
Carnegie Mellon University Africa

Kaggle: Titanic Survival Prediction Challenge. | *Python*   Fall 2020
Carnegie Mellon University Africa

TECHNICAL STRENGTHS

Explanatory Data Analysis and Visualization.	Python, R
Model design, prediction and performance monitoring.	Python, R
Data Structures and Algorithm design.	C++, PHP
SQL query design and Database orientation.	Oracle, MS SQL
Desktop UI design	C# and Java.
Tools & Softwares	GitHub, Latex, MS Office.

WORK EXPERIENCE

Graduate Teaching Assistant
Aug 2021 - Dec 2021

Carnegie Mellon University Africa

- Enabled students have a smooth transition in Data Structures and Algorithms course by organizing recitations, office hours, code debugging sessions, and algorithm discussions.
- Setting up Gradescope, an automated grading tool for assignments and exams.

Data Science Intern
May 2021 – Aug 2021

Engie Energy Access

- Created visualizations based on findings from data analysis performed on Mobisol client data.
- Pioneered predictive modeling of the Miss First Payment project using random forests, logistic regression, and boosting algorithms like XG boost, cat boost, performing feature selection, and hyper-parameter tuning in the process.
- Lead the data validation and analysis process of client loans and credit scoring assessment.

Electronic Banking Advisor
Mar 2019 – Aug 2020

Citi Bank

- Supported onsite installation and java troubleshooting of Citi-direct upgrades.
- Enhanced testing and release process of new digital solutions.
- Learnt managerial and supervisory aspects of banking.

Software Development Officer
Jul 2017 – Feb 2019

Stanbic Bank Uganda

- Enhanced extraction and set up automated email delivery of statistical data about utilization of bank's products.
- Proposed, built, and set up an automated reconciliation tool for the cash deposit machines and reduced manual workload by 80%.
- Set up monitoring and alerting tools for digital channels that showed real-time channel status.
- Responsible for overseeing, upgrading, testing, and deployment of the bank's digital channel systems. Platforms used included Linux, Java, and Oracle SQL.

Data Processing Assistant
Nov 2014 – Jan 2016

Uganda Bureau of Statistics

- Performed infield data mining and processing functionalities including data editing and entry, prescan editing, scanned images quality assurance, validation of entered or scanned data.

HONORS AND AWARDS

- Received 83% tuition grant for the Masters program at Carnegie Mellon Africa from ICT Dean in June 2020. A total of US 20,000$.
- Represented Uganda in the Cash Deposit Machines seminar in South Africa organized by Standard Bank in May 2018.
- Received government sponsorship for undergraduate education. 100% tuition plus a monthly stipend.