

FRANK ACQUAYE

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<http://acquayefrank.github.io/>

Why Me

Seeking to build accountable, reliable, fair and intelligent algorithms that will run critical systems thereby augmenting human limitations and improving the standard of living for the masses.

Research Interests

- Applications of Machine Learning
- Machine Reasoning

Skills

- Python
- Golang
- System/Software Engineering
- Machine Learning

Work Experience

Research Assistant

Laboratory on AI for Computational Biology

- Machine Reasoning Research

April 2021 – Till Date

Moscow - Russia

Research Assistant

Vision Modelling Laboratory HSE

- Aid Psychology and Computational Neuroscience students with their programming projects

Sep 2020 – Dec 2020

Moscow - Russia

Freelance Data Analyst

Scratchpay

- Built and managed data pipelines to aid in data ingestion and data warehousing using Hevo and BigQuery, this improved data availability by over 50%
- Built analytics dashboards to aid Risk Officers in decision making.
- Worked on ad hoc analysis to aid Risk Officers have better understanding of distribution of borrowers

Jul 2019 - Jun 2020

Moscow - Russia

- Worked on ad hoc analysis to aid Risk Officers have better sense of distribution of possible financial gamers
- Worked on ad hoc analysis to aid Risk Officers track possible financial gamers

Backend Engineer

Jul 2017 - Aug 2019

MPharma Data Inc

Accra - Ghana

- Built knowledge base engine that classifies dispensations as accurate, inaccurate or suspicious. This helped to sanitise internal business data
- Built web crawler which retrieves ATC-Codes of drugs stored in formulary.
- Performed analysis on Internal Business Data for various stakeholders.
- Built payment system which has processed over 19,000 transactions
- Built invoicing system that aids mPharma to bill clients

Software Engineer

Apr 2015 - Dec 2016

Kudobuzz

Accra - Ghana

- Developed sentiment analysis engine using scikit-learn, to aid clients of Kudobuzz detect sentiment behind reviews
- Developed business dashboard using data mining techniques (mining business data) to aid C.E.O and product lead make strategic business decisions.
- Built third party integrations for Queueapp. These integrations allowed Shopify, Tictail, Bigcommerce, Storenvy and Woocommerce users to interact with Queueapp
- Built prototype products search engine called Storeuno

Education

Master of Science: Data Science (Research Focused)

May 2021

National Research University Higher School of Economics

Moscow - Russia

- Majored in Intelligent Systems and Structural Analysis
- 8.06 GPA on 10-point Scale
- Built Covid-19 Forecaster — A machine learning model that forecasts confirmed covid cases and fatalities around the world based on day and region
- Built BaiKal — A machine reasoning system that uses GRU's to answer questions about a given context (Machine Reading Comprehension)
- Thesis Topic – Compositionality of Distributed Data Representation

No Degree: Software Entrepreneurship

Meltwater Entrepreneurial School of Technology

East Legon - Ghana

- Think of the YCombinator of Africa and I got in. I was 1 of 26 people selected out of 1000 applicants.

Bachelor of Science: Computer Science

May 2013

University of Cape Coast

Cape Coast - Ghana

3.0 GPA on 4.0 Scale