

## **Frank Lawrence Nii Adoquaye Acquaye**

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### **Education**

**National Research University Higher School of Economics, Moscow**

M.Sc Data Science, May 2021

**Meltwater Entrepreneurial School of Technology, East Legon**

Post Graduate Course in Software Entrepreneurship, May 2015

**University of Cape Coast, Cape Coast**

Bachelor of Science in Computer Science, May 2013

### **Skills**

**Languages:** Python, SQL, Learning Cython, Learning C

### **Work Experience**

Backend Engineer at mPharma Data Inc.      July 2017 – Aug 2019

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

Freelance Software Developer at Inflexion Capital      February 2017 – June 2017

- Developed a prototype price comparison engine which allows customers to compare and buy travel insurance .

Freelance Data Scientist at Fido Lending Services

January 2016 – April 2016

- Using K-Nearest Neighbour and a novel feature selection approach, I clustered customers of Fido Lending Services based on their addresses, thereby aiding Fido's Chief Risk Officer build better models for predicting loan defaulters
- Using natural language processing, I analysed use of funds text of customers of Fido Lending Services. This aided the Chief Risk Officer to design and build better models for predicting loan defaulters
- Using Pandas and SQL I wrote queries which converted semi-structured data to a structured form which aided the Chief Risk Officer to build better models for predicting loan defaulters

Software Developer at Kudobuzz

April 2015 - December 2016

- Developed a sentiment analysis engine using scikit-learn, to aid clients of Kudobuzz detect the sentiment behind reviews
- Developed a business dashboard using data mining techniques (mining business data) to aid the C.E.O and the 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 a prototype products search engine called Storeuno

### **Projects worked on at Meltwater**

- OstenView -- A talent management system which uses Github, LinkedIn, StackOverflow and Bitbucket along with data mining techniques to provide additional information about a developer beyond the developers CV.
- Gist -- A vertical search engine, which aids SME's to gather relevant content to share on their social media pages.
- Houdini -- A web-mining tool, which mines tweets for purchase intent thereby finding leads for salespersons. (Based on [this](#) paper.)

### **Extra Certifications**

- Machine Learning Foundations: A Case Study Approach ([Coursera](#))
- Machine Learning: Regression ([Coursera](#))

### **References**

Available Upon Request