Frederick Emile Bondzie-Arthur

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PERSONAL DATA

Data of Birth: 27TH APRIL,1994
Language: English, Fante, Twi
Citizenship: Ghanaian
Martial Status: Single

LINKS

Github:// **FrederickEmile**
LinkedIn:// **Emile Bondzie-Arthur**
Website:// **frederickemile**

SKILLS

PROGRAMMING LANGUAGE
Python & Jupyter Notebook/Labs, R, SQL, Matlab & Simulink, LATEX

MACHINE LEARNING
Regression, K-Nearest Neighbors, Classification

SOFTWARE & DBMS
MS SUITE, ADVANCED EXCEL, PowerBI, MSSQL, MariaDB

SYSTEMS & OTHERS
Linux/ Unix, Windows,Networking Systems Administration, Troubleshooting, Software Installation & Testing

COURSEWORK

MPPDS
Querying Data with Transact-SQL
Analyzing and Visualizing Data with PowerBI
Introduction to Python for Data Science
Analytics Storytelling for Impact
Ethics and Law in Data and Analytics
Introduction to Python for Data Science
Essential Math for Machine learning
Data Science Research Methods
Principle of Machine Learning
Implementing Predictive Analysis with Spark in Azure HDInsight
Capstone

DSS[R]
Data Scientist's Toolbox
R Programming
Getting and Cleaning Data
Exploratory Data Analysis

UNDERGRADUATE
Computational Physics (MATLAB/Octave)
Algebra and Abstract Algebra
Calculus and Further Calculus
Probability and Statistics
Newtonian and Quantum Mechanics

SUMMARY

Business and Systems analysts with less than a year's experience. Seeking to increase data efficiency and make effective use of data in your institution. My skills include Machine learning, data cleaning, data visualization, business cases, project management and creative thinking.

EDUCATION

MICROSOFT PROFESSIONAL PROGRAM IN DATA SCIENCE - MPPDS
I2I - datahack4fi.org - Microsoft
Nov. 2018 - Present

DATA SCIENCE SPECILIZATION [R]- DSS[R]
COURSERA - JOHN'S HOPKINS UNIVERSITY
Sep. 2017 - Jan. 2018

B.SC. PHYSICS
University of Cape Coast
2013 - 2017 | Cape Coast, Ghana

EXPERIENCE

I2I | DATAHACK4FI | DATA SCIENCE FELLOW
Nov 2018 - Present

- Built a model to predict customer average spending using Multi-layer Perceptron Regressor algorithm and with tuning and feature engineering achieved accuracy of 96.2%. Python programming language Used.
- Built a model to predict How likely a customer will purchase product (Bike) using a the Support Vector Machine Classifier algorithm and with tuning and feature engineering achieved accuracy of 80%. Python programming language Used.
- Built a model with Catboost Classifier algorithm to predict mortgage approval at almost 73% accuracy. Python programming language Used.

FIDO MICROCREDIT LTD | Business and Systems Analyst
July 2018 - Present | Dzorwulu, Accra- Ghana

- Building Business Cases,forecasting, Predictive & Business Analytics.
- Data Cleansing, Analytics and Visualization using Excel, Google sheet, Microsoft Access and PowerBI and creating Database in Microsoft Access.
- Systems & Network Administration (Win., MikroTik & Edge OS ubiquity router).
- Testing apps and Documentation, Planning and Management of Projects using Confluence and JIRA.

ELECTRICITY COMPANY OF GHANA LTD. | NATIONAL SERVICE
Sep. 2017 – July. 2018 | Sekondi-Takoradi, Western- Ghana

- Designing of electrical network (HIGH VOLTAGE & LOW VOLTAGE).
- Raising/Appraising, Cost Estimation, Material Scheduling Supervision and Inspection of projects.
- Preparing of Cash transfers, contract documents and award letters of projects.
- Data collection of hourly BSP readings and Data Analysis using Excel.

UNIVERSITY OF CAPE COAST | THEORETICAL PHYSICS LAB | PHYSICS INTERN
May 2017 – August 2017 | Cape Coast, Ghana

REFERENCE

AVAILABLE UPON REQUEST