# Frederick Emile Bondzie-Arthur

Business and Systems Analyst + Junior Machine Learning Engineer

## contact

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in Emile Bondzie-Arthur
○ FredrickEmile

Web.:http://bit.ly/2VBAC8e

## Programming Languages

♥Python
R
SQL (Intermediate)
LaTeX

## Frameworks

Scikit-learn
Pytorch
Pandas
Numpy
Matplotlib
Seaborn
Catboost

## Softwares & Databases

MS Suite
Advance Excel
PowerBI

## Infrastructure & Others

Google Cloud Product
System Administration & Troubleshooting
Software & Mobile Testing

# experience

## Full Time

**2019–Now** — **Omdena**, *Remote*
*Community Builder | Data Wrangler | Junior Machine Learning Engineer*
Worked on the Chicago violence project and was part of the sentiment analysis team which built models for classification of tweets into two categories (i.e.threatening and non-threatening). We tested multiple models and engineered features which helped improve the accuracy of our model, and also performed transfer learning from existing word embedding algorithms.

**2018–Now** — **Fido MicroCredit**, *Dzorwulu, Accra, Ghana*
*Business and Systems Analyst*
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, JIRA and Zephyr.

**2018–2019** — **i2i | DataHack4FI**, *Accra, Ghana*
*DATA SCIENCE FELLOW*
Built a Multi-layer Perceptron Regressor model to predict average customer spending at 96.2% accuracy and a Support Vector Machine Classifier model to predict customer purchase (a Bike) at 80% accuracy. Also,worked on a classifier using CatBoost library to predict mortgage approvals at almost 73% accuracy.

**2017–2018** — **Electricity Company of Ghana**, *Sekondi-Takoradi, Ghana*
*Assistant Project Engineer (NSP)*
Worked on designing both High and low voltage networks. Raised, Appraised and managed projects worth millions of Ghana Cedis. Data collection and analysis of Bulk Supply Point using Microsoft Excel.

# education

**2019 - 2020** — **Intel Edge AI Scholarship Programme**, *Udacity*

**2019 - 2020** — **Bertelsmann Technology Scholarship**, *Udacity*

**2019** — **AI Programming with Python NanoDegree**, *Udacity*

**2019** — **Google Cloud Platform**, *Google Africa Scholarship - Andela*

**2018–2019** — **MPPDS**, *Microsoft Professional Certificate (Date Science)*

**2017–2018** — **DATA SCIENCE SPECIALIZATION [R]**, *COURSERA-JOHN'S HOPKINS UNI.*

**2013–2017** — **Bachelor** of Science in Physics, *University of Cape Coast*