Maria Alena Edora

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ABOUT ME

Fraud analyst at a finance company with problem solving, research, and analytical skills. Cum laude in BS Applied Physics (Major in Instrumentation Physics) from UP Diliman. Seeking a Data Analyst position requiring SQL and Python knowledge to grow my career as an analyst and also explore other means of analyzing data such as machine learning.

WORK EXPERIENCE

Fraud Analyst

Home Credit Philippines [3 Aug 2021 – Current]

City: Quezon
Country: Philippines

Main responsibility is to find fraudulent instances that could possibly harm the company by doing the following tasks:

1. Writing SQL queries from scratch to retrieve filtered data from a large database and visualizes the data using pivot tables/charts in MS Excel and Power BI
2. Identifying concentrations in the dataset that could lead to possible organized fraud
3. Creating new triggers for possible fraudulent activity in new contracts.

Data Analyst

Freelance [3 Jun 2021 – 26 Jul 2021]

City: Caloocan City
Country: Philippines

Worked on a one-time project where I analyzed a set of data given by the employer using regression analysis and residual plots and wrote a detailed report of the findings.

LANGUAGE SKILLS

Mother tongue(s): **Filipino**

Other language(s):

Hiligaynon

LISTENING A2 **READING** A2 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

English

LISTENING C2 **READING** C2 **WRITING** C2

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

DIGITAL SKILLS

Research

Writing Reports / LaTex / Regression Analysis

Data Visualization and Machine Learning

Microsoft Excel / Familiarity in Python (Tensorflow + Keras, Pandas, Numpy, Scipy) / Good Knowledge in SQL, Oracle / Webscraping / Microsoft Power Platform (Power BI, Power Apps, Power Automate)

Design

Adobe Photoshop / Adobe InDesign / Adobe XD / Figma

EDUCATION

BS Applied Physics (Major in Instrumentation Physics)

[Aug 2016 – Jul 2021]

National Institute of Physics, University of the Philippines Diliman

Cum Laude (Batch 2021)

NETWORKS AND MEMBERSHIPS

UP Data Science Society

[Sep 2020 – Current]

- Designs publication materials of the organization
- Organizes events and workshops for the members about data visualization, machine learning, and basics of Python programming language

Algo Filipino

[Dec 2020 – 1 Apr 2021]

Designs and creates content of publication materials of the organization

PUBLICATIONS

Quantifying the performance of a sparse autoencoder in detecting network anomalies

[2021]

Undergraduate thesis about using a neural network model called a sparse autoencoder in detecting network anomalies in NSL KDD dataset- an openly available dataset widely used in testing the performance of various ML algorithms in detecting network anomalies.

CONFERENCES AND SEMINARS

38th Samahang Pisika ng Pilipinas Physics Conference

[19 Oct 2020 – 23 Oct 2020]

Presented an abstract article entitled *Quantifying the performance of a convolutional autoencoder in filtering Gaussian noise from images of handwritten digits*

https://spp-online.org/spp2020/

VOLUNTEERING

Tanglaw by SOLAR Hope Organization

[Macantog, 31 Aug 2019 – 1 Sep 2019]

Along with the other volunteers, we identified the possible route and location of the ram pump installation for Macantog. We interviewed the community about the challenges they face in water consumption and other needs they have difficulty accessing. I was also part of the Quality of Life (QoL) survey needed for research purposes. We also gave 13 green solar lanterns to the community. Lastly, I helped in refurbishing the learning center for Macantog children.

Kilos Kabataan

[Nov 2020 – Dec 2020]

Designed publication materials and helped in promoting projects to receive more donations for the victims of typhoon Ulysses

PROJECTS

Graphing the total number of COVID-19 cases in NCR using Python

Fitted a regression model on COVID-19 cases (from March to August 8, 2020) acquired from DOH using Python (and other libraries e.g. Pandas, Matplotlib, Numpy)

https://github.com/maedora