WILLIAM GITTA LUGOLOOBI

Education City Male Housing • Doha • williamlugoloobi2023@u.northwestern.edu • +97470334581

Education

NORTHWESTERN UNIVERSITY   Doha, QA
B.S.C in Journalism and Strategic Communications, Minor in Media and Politics. GPA 3.963/4.0   August 2019 -Present

Carnegie Mellon University   Doha, QA
Transfer coursework in Fundamentals of Programming and Computer Science   January – April 2021

Technical Skills

Programming Languages: Python, SQL, JavaScript, R
Operating Systems: Windows, Mac OS
Technologies used: SQL Server Management Studio, Microsoft Azure, VS-Code, PyCharm, Power BI, Tableau, RStudio.
Familiar Libraries: Pandas, NumPy, NLTK, OpenCV, Flask, Scikit-learn, TensorFlow, Tidyverse, Three.JS, D3.JS
Creative Technology: Adobe (Photoshop, Illustrator, After Effects, Premiere Pro), Final Draft, Reuters Connect Platform

Experience

Al Jazeera Media Group   Remote
Data Science Intern   April 2021 – Present
- Lead research and contributed to implementation of a Deep Learning Model to detect Manipulated Images and Fake News from social media with TensorFlow and Microsoft Azure Databricks.
- Created mockups and designed the front-end for a breaking news dashboard used by journalists in the newsroom which streamlined information from different sources.
- Evaluated the effectiveness of Al Jazeera's newswires and established that some news articles were not delivered to the companies database on Microsoft SQLServer.
- Collaborated with fellow interns to build and host a database on football players on Microsoft Azure.

The Hitchhikers Guide to Philosophy Podcast   Doha, QA
Co-founder and Host   December 2020 – Present
- Wrote, edited, and recorded a podcast exploring the philosophy behind the political and economic realities faced by international students and people from the Global South.
- Arranged interviews with guests and extracted relevant arguments for episodes from dense philosophical texts.
- Oversaw the construction and design of the podcast's website, analytics, scheduling, and distribution channels.

Personal Projects

Journalism Helper Functions
- Developed functions with Python and Transformers that used natural language processing to summarize huge volumes of text thus reducing time doing research.
- Built a function that corrected headlines into AP style which increased productivity whilst writing news stories.

Machine Learning Algorithms
- Implemented a regression analysis in scikit-learn to predict stock prices with an accuracy of 97.4%.
- Researched and implemented the genetic NEAT algorithm to play flappy bird with an accuracy of 99%.
- Designed a Generative Adversarial Network that constructed authentic numbers from the MNIST dataset.

Uganda COVID Tracker
- Scrapped the Uganda Ministry of Health's website and compared the COVID data publicized with that present in the Our World in Data COVID-19 datasets.
- Built a web app that displays COVID data. Currently translating the web app into local languages.

Portfolio

Google Drive: https://bit.ly/3fiDLC4 **GitHub:** https://github.com/KabakaWilliam **Podcast**: www.hitchhikerphilosophy.com