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# Temiloluwa Awoyele

## Data Engineer

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### SKILLS

**Backend:** Flask, Fast API    **Languages:** Python, SQL, Bash    **Software Engineering:** Git, Linux

**Web Scraping:** Requests, Scrapy, BeautifulSoup, Selenium    **Orchestration:** Apache Airflow

**Data Wrangling:** Pandas    **Infrastructure:** Docker, Terraform, Cloudformation

**Cloud:** AWS, Glue, Redshift, S3, Lambda, EC2, SNS, SQS

### EXPERIENCE

**Diversity, Remote - Machine Learning Intern** 2 months

- Created LinkedIn scrapers to get employee profiles for specified companies
- Created and managed image classification models to detect gender from images in production
- Developed various heuristics to detect ethnicity based on name
- Debugged machine-learning systems in production, and improved their performance

**Hash Analytics, Remote - Data Analyst Intern** 6 months

- Data Analysis with Numpy and Pandas
- Retrieved data from database with SQL
- Data visualization with matplotlib & seaborn

**ICTREC Funaab, Abeokuta - Network Administration Intern** 6 months

- Performed routine checks, troubleshooting and repairs of faulty networking devices.
- Assisting in the installation of network radios on masts.
- Troubleshooting faulty computer systems.

### PROJECTS

**Spotify Listens Ingestion** 2022

- Design and create a pipeline that ingests Spotify's recently played data and inserts it into the database, backup to S3 data lake and visualizes.
- Managed the Spotify API with Selenium for browser-based authentication, deployed an AWS EC2 instance with Airflow installed on it, deployed an AWS RDS Postgres
- A visualization dashboard to answer questions about users' listening habits.

Tools & Tech Stack: Python, SQL, Apache Airflow, Terraform, AWS, Git

GitHub: [https://github.com/temmyzeus/spotify\\_airflow\\_batch\\_ingestion](https://github.com/temmyzeus/spotify_airflow_batch_ingestion)

**Serverless ETL Workflow** 2022

- Create an Event-Driven data pipeline that is triggered on object PUT to run transformations on data.
- Created an AWS Lambda function that runs on csv file upload(PUT) to an S3 bucket, performs transformation with pandas and saves as a parquet file to the staging area. Another Lambda function then starts on upload to the staging area to load to AWS Redshift.

Tools & Tech Stack: Python, AWS Lambda, AWS Redshift, Cloudformation

<https://github.com/temmyzeus/serverless-etl-workflow>

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## No-Toxic

2022

A text classification neural network model, deployed to an API endpoint to detect Toxic, Severely Toxic, Obscene, Threatening, Insulting and Identity Hate in text.

- Cleaning and Parsing Text with Regular Expression.
- Created a Preprocessing Pipeline that cleans the text, tokenizes and converts it to indices.
- Created a Deep Learning Model to classify text to Multi-Label outputs.
- Wrote Scripts for CLI inferencing on the Model.
- Built an Inference API

GitHub: <https://github.com/temmyzeus/No-Toxic>

## Text Anonymizer

2021

A Text Anonymization System that uses Spacy's Named Entity Recognition to detect named entities in text. Integrated with an API built with FastAPI and a web app built with Streamlit, this app and the API help to obscure naming entities from confidential or sensitive data.

- Built an API with FastAPI.
- Deployed API on an AWS EC2 Cluster.
- Named Entity Extraction with Spacy.

GitHub: [https://github.com/temmyzeus/text\\_anonymizer](https://github.com/temmyzeus/text_anonymizer)

## Text Explore

2022

A Python package to explore and perform Exploratory Data Analysis on Textual Data. Features such as Flesch reading ease score, Flesch Kincaid grade score, syllable count, word count and some others are currently implemented in the package.

GitHub: [https://github.com/temmyzeus/text\\_explore](https://github.com/temmyzeus/text_explore)

PyPI: <https://pypi.org/project/text-explore/>

## EDUCATION

Federal University of Technology, Akure - *B.Tech Physics Electronics*

Nov 2016 - Present

## AWARDS AND ACHIEVEMENT

7th Position, UmojaHack Nigeria: AXA Vehicle Insurance Claim Challenge by UmojaHack Africa, [Link Here](#)

ARTIFICIAL INTELLIGENCE BOOTCAMP, Data Science Nigeria, [Proof Here](#)

- Selected as one of the best 300 AI talents in Nigeria to participate in the most renowned Artificial Intelligence Bootcamp in Africa.

## VOLUNTEERING

Assistant Tutor for the AI Invasion 2022 by Data Scientists Network

May 2022