Tobi Adeleke
Software Engineer

CONTACTS

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- 📍 London, UK

LINKS

- github
- linkedin

COURSES

Python for Data Science and Machine Learning Bootcamp
June 2022

Python and Django Full Stack Web Developer Bootcamp
October 2022

SKILLS

Python
Django
PostgreSQL
Git
Docker
Pandas
GeoPandas
MATLAB

EXPERIENCE

Farad.ai - Viridland
June 2021 — December 2022
Software Engineer — London, UK

- Extensive work developing customer requested features within the Django Web framework in an Agile project management environment.
- Cleaning and wrangling both open-source and private datasets.
- Maintain datasets in a PostgreSQL database, from various sources into a common schema, for the engineering team to brainstorm and discuss suitable machine learning models to derive additional insights.

RWE Generation UK
September 2019 — August 2020
Electrical Engineer - Placement Year — Swindon, UK

- Coordinated with the business improvement team for optimization projects regarding the power stations between power station engineers and specialists based at the technical team.

University of Auckland
June 2019 — August 2019
Summer Research Scholar — Auckland, NZ

- Project to model Vanadium Redox Battery based Hybrid Storage System using SIMULINK/MATLAB.
- Report published for the 11th IEEE PES Asia- Pacific Power and Energy Engineering Conference 2019.

University of Southampton
October 2018 - April 2019
Volunteer — Southampton, UK

- In groups of 3, planning lessons for a primary school after school coding club.
- Leading the lesson and teaching the children how to code with BBC Micro-bits and Scratch.

PERSONAL PROJECTS

Django API project
October 2022

- A restful API project using Django rest framework for shoe orders, connected to a PostgreSQL database, with swagger documentation, all packaged in a Docker container for use on any operating system.

Apache Airflow ETL Project
March 2023

- Created A Workflow using Airflow DAG to create an ETL pipeline,which extracts public available UK house-prices and postcode datasets, creates and merge the datasets, Then finally uploads to a PostgreSQL database.

EDUCATION

University of Southampton
September 2016 - June 2021
M.Eng Electrical Engineering with Industrial Studies — First Class Honors

- Masters Project (in a multi-disciplinary team) 'AI Sound Masking' using Python to build a model, which was embedding into a Java Android App for the final product. External partner: Nanjing Pengsheng Enviro-equipment Ltd.

HONORS & AWARDS

National Grid Company Prize
September 2017 - June 2018

- Top student in Electrical Engineering in 2nd year at the School of Electronics and Computer Science, University of Southampton.