

Matthew Oke

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EDUCATION

FEDERAL UNIVERSITY OF TECHNOLOGY AKURE

Remote Sensing and Geoscience
Information Systems (B.Th)
Dec 2017 - Aug 2023
Cum. GPA: 4.75 / 5.0

SKILLS

PROGRAMMING LANGUAGES

Python • C# • Javascript

LIBRARIES & OTHERS

Git • Flask • ASP.NET Core • .NET
Pytorch • Tensorflow • Keras • FastAI
Sklearn • Numpy • Computer Vision
NLP • Bokeh • Streamlit
EntityFramework

AWARDS

2021

Ditch Plastic Hackathon (1st)
SEAM AI GPU Hackathon (Winner)

2020

Churn Prediction Challenge (1st/358)
Fraud Detection Challenge (1nd/36)

CERTIFICATION

UDACITY, 2020

DEEP LEARNING NANODEGREE

- Predicting Bike Sharing Pattern
- Animal Breed Classifier (CNNs)
- Generating TV Scripts (RNNs)
- Generating Human Faces (GNNs)
- Deploying Sentiment Analysis Model (Amazon SageMaker)

EXPERIENCE

DGB EARTH SCIENCES | SOFTWARE ENGINEER

March 2022 - Present | Enschede, Netherlands | Contract

- Implementing state-of-the-art data augmentation methods used in deep learning into the system.
- Maintaining and adding new features to the dGB machine learning python libraries as well as the UI interface utilized by end users.
- Wrote automated quality control tools for numerous machine learning workflows provided to end-users

MILSAT TECHNOLOGIES | BACKEND ENGINEER

May 2022 - November 2022 | Abuja, Nigeria | Internship

- Designing APIs and building an intern management system with C# and ASP.NET Core.
- Wrote python plugin for users to access personal data directly in the QGIS Application.
- Developed the UI, Authentication and Data-population features for the plugin.

JBUIT | MACHINE LEARNING ENGINEER

Jan 2020 – Present | Lagos, Nigeria | Part-time

- Developed optical character recognition system for computing local language (yoruba) documents.
- Wrote desktop program in python for typing documents in a local language (yoruba) by implementing different keybindings for tonal marks.

PROJECTS

FREELANCE | SOFTWARE ENGINEER, ML

Aug 2021 – Oct 2021 | Nigeria

- Built a system for predicting the existence, type and severity of diabetic retinopathy in eye fundus images with ML.
- Developed the model with pytorch for multilabel workflow and deployed the model to a web application using streamlit.

NAPE | ML RESEARCH

Apr 2021 – Nov 2021 | Nigeria

- Introduced a unique method for augmenting three dimensional volumetric seismic data.
- Used this method to win the machine learning image segmentation competition organized by SEAM and NVIDIA.
- Presented its technical paper at the NAPE (National Association of Petroleum Explorationists) Oil and Gas conference.

RSGIS | OPEN SOURCE CONTRIBUTOR

July 2020 | Nigeria

- Rsgis is a python package for basic to advanced GIS operations.
- I created the data import and band(s) extraction features.