JERRY 0. FADUGBA

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WORK EXPERIENCE

Data Scientist   **August 2021 - September 2022**
International Telecommunication Union(ITU)   *Remote*

- Collaborate on project and research direction with relevant stakeholders
- Develop evaluation scripts in Python for machine learning models.
- Design and monitor algorithms to track and detect anomalies on GCP platform with MLFlow.
- Integrate machine learning evaluations into the audit platform
- Maintaining and expanding our evaluation pipeline.
- Community outreach with the focus group on AI for health-care
- AI-Audit.org

Data Scientist (Contract)   **August 2021 - February 2022**
3DIMO   *Remote, USA*

- Design Data pipeline using AWS Data Lake,
- Built Data management system.
- Migrate data from DynamoDB to MySQL

Machine Learning Engineer   **February 2021 - March 2021**
Omdena   *Remote*

- Developed algorithm for pathology detection on breast ultrasound using computer vision.
- Fine-tuned MaskRCNN algorithm model for cancer detection which led to 5% of improvement in evaluation metrics
- Developed data pipeline for deploying the solution to mobile device
- Contributed to containerizing the Machine learning pipeline using docker
- Blog

Machine Learning Researcher   **October 2020 - February 2021**
Knowledge4All   *Remote, UK*

- Established partnerships with clinical partners for research in Machine learning and medical imaging
- Designing a research project for applying interpretable machine learning in medical images
- Led a team of three on a research project on Interpretable Breast Cancer diagnosis from histology images.
- Designing and training deep networks on histology clinical data and evaluating performance.
- Creating a feature road-map for future development of the medical imaging software.
- Lead developer for medical diagnosis software for breast cancer diagnosis.
- Article

Machine Learning Engineer   **April 2019 - January 2020**
Peexoo Technologies   *Lagos, Nigeria*

- Researched and developed machine learning algorithms for compressing DSLR images with the use of Generative Adversarial Networks
- Led design of image enhancement pipeline with the use of machine learning and generated adversarial networks. .

Artificial Intelligence Developer   August 2017 - January 2018
NAL R&D   *Hanoi, Vietnam*

- Developed computer vision algorithm for detection of menu items
- Led algorithm development of recommendation system for online shopping platform using machine learning techniques
- Created and design end to end machine learning pipeline for menu item recognition
- Training interns on machine learning and data science

Software Engineering Intern   December 2015 - August 2016
SEA-Solutions   *Hanoi, Vietnam*

- Code and develop an android application for Traffic Violation management
- Debugging and fixing software applications
- Provided technical support for various applications
- Documenting various changes and updates on applications

SKILLS

Programming Languages	**Python, C++, Node.Js, Flask**
Libraries	**Tensorflow, Pytorch, OpenCV,**
Tools	**Docker, Google Cloud Service, Kubernetes, AirFlow**

EDUCATION

Summer School, University of Oxford, UK   August 2022
Oxford Machine Learning summer school on Health Track

MSc Mathematics, African Institute for Mathematical Sciences, Rwanda   2018-2019
Relevant Coursework: Machine Learning, Deep Learning, Computer Vision, Optimization

MSc Software Engineering, FPT University, Vietnam   2015-2017
Relevant Coursework: Project Management, Database Architectures. Data Mining

BSc. Mathematics, University of Ibadan, Nigeria   2010 - 2015

HONORS, GRANTS AND AWARDS

1. Facebook and Google scholarship in African Masters in Machine Intelligence (AMMI)

2. Participant in SIIM-ISIC Kaggle competition on Identifying melanoma in lesion images

3. Data Challenge: Breast Cancer prediction Winner

4. Locally run Web-based App for Interpret-able Breast Cancer Diagnosis from Histology Images, (AI4D-Grant)

5. Visual Question Answering in the Medical Domain (AI4D-Grant)

6. ChexNet Model Compression for Pneumonia Detection Using Low Powered Edge Devices (AI4D-Grant)