

George Igwegbe

Lagos, GU

-Email me on Indeed: <http://www.indeed.com/r/George-Igwegbe/632dc6fca880c0a2>

SUMMARY: An astute Engineer who is enthusiastic about building and deploying computer vision solutions, edge computing systems and other Artificial Intelligence products. He thrives in an environment that appreciates innovation and fosters teamwork.

Tools: Linux (Ubuntu & Raspbian)

Framework: Tensorflow and PyTorch

Interest: Computer Vision, Edge Compute (TinyML) and Product Design

Language: Python and C++

Work Experience

Edge Impulse - San Jose, CA

March 2022 to Present

Skills & Tools: Edge Impulse Platform, TinyML

- Conducting Research on Computer Vision Models for Embedded Systems. Working on enabling quantization of ML models at EdgImpulse
- Being a part of the Content and DevRel team at Edge Impulse I work on sharing resources and helping communities and developers create and develop the next generation of smart embedded devices.

Machine Learning Engineer

Hankali Labs - Lagos, Nigeria

January 2021 to Present

Skills & Tools: Jupyter notebook, Python, Docker, Tensorflow, Git, AWS, Azure, Nvidia Jetson and Nvidia TX2

- Built Proof-of-Concept for object detection models for safety and security systems
- Built and deployed state of the art object detection models on edge computing devices
- Built a dashboard using MERN stack which integrates media server, ML system and telemetry.
- Monitored and studied model quantization and its effect on performance and inference throughout

Co-Organizer

TinyML - Lagos, GU

April 2020 to Present

- Enabling easier access to ML knowledge to traditional embedded and hardware engineers in Lagos
- Simulate and support the adaptation of ML on low powered devices in Agricultural and Industrial Settings
- Building a vibrant community for hardware makers, hobbyists, and industrial experts

Co-Organizer

Artificial Intelligence Saturdays (AI6) - Lagos, GU

June 2018 to Present

- Implementation of machine learning and deep learning algorithms using PyTorch

Incoming Data Analyst Session Lead

Udacity - Mountain View, CA

May 2022 to May 2022

Skills & Tools: Jupyter notebook, Python, Numpy, Pandas.

- Lead the new Udacity scholarship for the data analyst program for African participants.

Machine Learning Instructor

Stutern - Lagos, Nigeria

September 2020 to April 2021

Skills & Tools: Jupyter notebook, Python, Docker, Tensorflow, Git, AWS, Flask

- Designed and curated a comprehensive practical training machine learning curriculum
- Planned and coordinated with Teaching Assistants to determine the best mode of presentation of the curriculum throughout the session
- Ensured participants develop a mastery of the content and discussed career path opportunities

Machine Learning Engineer

InstaDeep - Lagos, Nigeria

August 2018 to December 2020

Skills & Tools: PyTorch, SciKit Learn, Git, Tensorflow, Docker

- Implemented an end-to-end handwriting recognition system using state of the art techniques
- Used quantitative analysis data to obtain insight on customer behavior and demographics to guide decisions of the client
- Worked on the design of a networking Conference Application which uses Differential Privacy to protect users' information
- Built and deployed end-to-end bio-medical imagery solutions using state of the art image classification techniques

Hardware engineer/Industrial Designer

Grit Systems - Lagos, Nigeria

August 2017 to August 2018

Skills & Tools: Solidworks, Autodesk Fusion, 3D printing and prototyping

- Product design and fabrication of enclosures for electronic boards using 3D printing
- Implemented new design techniques that cut production time by 30% saving the company resources
- Supervised production of prototypes, samples and final products from my designs
- Prototyping various projects with Mbed, Raspberry Pi and Arduino
- Repair and maintenance of 3D printers

Education

Bachelor of Science in Mechanical Engineering

University of Lagos - Lagos, NG

2011 to 2016

Skills

- Linux (Ubuntu & Raspbian)

Python and C++

- Git
- GitHub
- Machine Learning
- TensorFlow
- AWS
- Docker
- Shell Scripting

Links

<http://github.com/gigwegbe>

<http://linkedin.com/in/george-igwegbe>