GADRI-AKRONG EBENEZER KWEKU

Computer Engineering Undergraduate

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EDUCATION

BSc. Computer Engineering

Kwame Nkrumah University of Science and Technology (KNUST)

📅 August 2017 – Present ⚲ Kumasi, Ghana

- **Expected: June 2021**
- Academic Standing: First Class **83.51%**
- Full four year scholarship from the MTN Bright Scholarship Foundation.

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Honors and Awards

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- **IT Consortium Excellence Award** for Overall Best Student in Computer Engineering KNUST, 2019.
- **Sparkx SM Ghana Ltd Award** for Overall Best Student in Computer Engineering KNUST, 2018.
- **Name on Chip (NoC) Award** for having a CWA above 80 in the Computer Engineering Department – 2018, 2019.
- **Best Student Award, College of Engineering, KNUST** – 2018.
- **Winner of CodeFest Hackathon, College of Engineering, KNUST** – 2019

West African Senior School Certificate Examination (WASSCE)

St. Augustine's College

📅 Oct. 2014 – May 2017 ⚲ Cape Coast, Ghana

- Physics, Chemisty, Biology, Elective Mathematics.
- 7A's at the WASSCE (Aggregate: 6).
- **Best Musical Instrumentalist Award.**
- IT Expert – Ghana United Nations and Youth Association (GUNSA), Readwide Club, Science Club.
- Music Director, College's Regimental Band.

SKILLS

Python, Java, MATLAB, C/C++
HTML, CSS3, JavaScript
Django, Flask, ReactJS, NodeJS, MySQL
Flutter, ReactNative
PyTorch, Fast.ai, Keras, OpenCV
Machine Learning and Artificial Intelligence
Raspberry Pi, Arduino, Drones, Electronics
Teamwork, Leadership, Problem Solving
Creativity, Musical Intruments

VOLUNTEERING

- Initiated and ran a successful Python Programming Language training for freshman students in KNUST (2019).
- **National Science & Maths Quiz (2017)** Won the Regional Competition for the 2017 Edition and represented St. Augustine's College at the National Competition.

EXPERIENCE

Computer Vision Intern

Soko Aerial, Ghana Armed Forces

📅 June – Aug. 2019 ⚲ Burma Camp, Ghana

- Trained a vehicle detection model for detection and counting of vehicles from orthophotos.
- Developed an Autonomous Adaptive Traffic Control System based on Computer Vision.
- Developed a Traffic Counter for road highways.
- Added Artificial Intelligence (Computer Vision) to drone technology.
- Researched on the use of Drone Technology for Precision Agriculture.
- Executed drone tasks assigned by the Manager.

Research Assistant

Hacklab 2019

📅 April 2019 ⚲ Kumasi, Ghana

- Researched on how Blockchain Technology could transform the Service Sector in Ghana.

SELECTED PROJECTS

A more comprehensive list can be found on my Github account, github.com/aibenStunner

social-distancing-detector

- A social distancing detector built with OpenCV using YOLO(COCO model) object detector

face-mask-detector

- A COVID-19 face mask detector built with OpenCV, Keras/TensorFlow, and Deep Learning

Traffic Counter

- A simple object detection, tracking and counting computer vision application used for counting vehicles on highways.

gods-eye

- A video-surveillance system designed to enable parents keep an eye on their children in preschools by using a mobile app, while they're busy during the day.

image-search-engine

- A simple image search engine built from the concept of Content-Based Image Retrieval (CBIR) systems.

Person Follower

- A computer vision project where a drone (DJI Tello Drone) is programmed to follow a person.

BMI Calculator

- A lightweight cross platform BMI calculator mobile app.