

# GADRI-AKRONG EBENEZER KWEKU

## Computer Engineering Undergraduate

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Accra, Ghana

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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.

#### Honors and Awards

- 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, Chemistry, 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

C/C++, Java, Python, Javascript

Web and App Development

DBMS, ReactJS, Flutter

Raspberry Pi, Arduino, Drones, Electronics

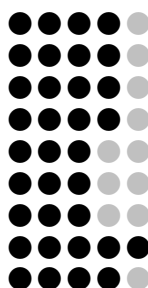
Machine Learning and Artificial Intelligence

TensorFlow, Keras, OpenCV

React Native, Django, NodeJS

Teamwork, Leadership, Problem Solving

Creativity, Musical Instruments



## 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](https://github.com/aibenStunner)

#### 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.