

GEDEON MUHAWENAYO

gmuhawenayo@aimsammi.org / gedeonmuhawenayo@gmail.com

+233 201 857 519 / +250 788 365 398

<https://github.com/Gedeon-m-gedus>

[linkedin.com/in/gedeon-muhawenayo-a4650a182](https://www.linkedin.com/in/gedeon-muhawenayo-a4650a182)

EDUCATION

African Institute for Mathematical Science / Master's Degree

October 2019 - Present, GHANA

African Masters in Machine Intelligence-AMMI (Intro to Machine learning, Mathematics for machine learning, Deep learning, Natural language processing, Computer vision, Optimization of machine learning models, etc).

University of Rwanda / Bachelor of Science

September 2015 - July 2019, Rwanda

Bsc. Electronics and Telecommunication Engineering, GPA: 3.6/4 Student with the maximum average.

(Mathematics, Physics, Python, C++, Matlab, Image processing, Signals processing, Embedded systems, etc.)

PROJECTS

- **Computer vision: Disasters Prediction from satellite images,** Deep learning approach to satellite images to make predictions about disasters and high risk zones.
Animal Species detection in image: AI model to be deployed on Raspberry Pi, as a node in a network of distributed AI-based IoT systems.
Efficient conv-nets: A research project on techniques of optimizing convolutional neural networks so that they can run efficiently on mobile devices and IoT nodes.
- **Embedded systems: Biometric attendance device,** Electronic device to be used to record time attendance of both students and lecturer(teachers) where internet connection is unreachable.
- **Signals and Electromagnetic waves,** a desktop app (GUI) for analysing signals, and electromagnetic waves.

WORK EXPERIENCE

Spectrum AI / Computer vision Intern

March 2020 - Present, Remote Internship

Binary Graph convolutional Neural Networks: Memory and computational efficient, binarized CNN

Techno Engineering Company / Network Configuration Engineer

June 2019 - October 2019, Kigali-Rwanda

Main duties: Writing computer network configuration scripts, IP addressing, subnetting, and Optic fiber splicing.

COMPETENT SKILLS

Programming & Frameworks: Python, C,C++, PyTorch, OpenCV, Numpy, Pandas, Scikit learn, Detectron2.

SUPERVISOR: My masters thesis is being supervised by [Georgia Gkioxari](#), a researcher at FAIR