

EDUCATION

Master of Science in Information Technology(Research Track) 8/2017 - 05/2019

Carnegie Mellon University - Africa

Concentrations: data science & software engineering

Activities: president of software engineering club, VP education of toastmasters' club, communication officer for data science club

Bachelor of Science in Computer Science 9/2011 - 08/2015

University of Ilorin

Concentrations: artificial intelligence

Grade: First class honors

Activities: Google Developers Group (GDG) co-organizer, Google map maker

KEY EXPERIENCE

IBM Research 09/2018 - Present

Research Intern.

- Researching on efficient algorithm for detecting anomalous patterns in dataset and neural networks.
- Researching on enhanced visualization techniques for neural networks.

Software Engineering Consultant

05/2018 - 07/2018

Oltranz Ltd.

- Worked on OCentral, a system that helps to do end-to-end (infrastructure through UI) monitoring of all the company's applications using the RED metrics, in angular6.
- Effectively engineered 2 USSD commercial apps in python.

Graduate Administrative Assistant

09/2017 - 05/2018

Carnegie Mellon University - Africa

Software Developer

05/2017 - 07/2017

SimplePay Limited

- Effectively engineered three commercial products, one with about 50,000 users. These products have increased the profit of the company by about 10%. Used python language.

Code Mentor

02/2017 - 07/2017

HackHands

- Mentored beginner programmers, facilitating their progress to the next level of software development.

Web Developer Intern

07/2014 – 10/2014

AmTech

- Developed a website for the company, and trained students on web developments

DCLM Channel

- Developed a library management system which significantly improved the quality of service in the company's library.

SKILLS

- Programming Languages: Python, C/C++, Java, Javascript, C#, VB.NET, Matlab.
- Databases: PostgreSQL, MongoDB, MySQL, SQLServer.
- Tools and Frameworks: Pytorch, Keras, tensorflow, mocha, docker, kubernetes, codeclimate, Jenkins, lint, ...

RESEARCH EXPERIENCE

- Deep Convolutional Neural Network for Plant Seedling Classification. *Accepted at Neural Information Processing Systems (NeurIPS) Black in AI Workshop, 2018. Available on ArXiv.*
- EEG-based Communication with a Predictive Text Algorithm. *Available on ArXiv.*
- Smooth GradCam++: An Enhanced Visualization Map for Deep Convolutional Neural Networks. *Work in progress.*
- Into Software Development Life Cycle (SDLC) and Design Choice for Software 2.0: Planning and Tracking Software Case Study. *Work in progress.*
- Subset Scan for Pattern Detection in Neural Network Activation. *Work in Progress at IBM Research.*
- Web Security Investigation through Penetration Tests: A Case Study of an Educational Institution Portal. *Available on ArXiv.*

OTHER PERSONAL PROJECTS

- Frame level speech processing with LSTM and attention model.
- Frame level speech processing with CNN model.
- Nigerian financial budget analysis and prediction using linear regression model.
- Information system for Nigerian NYSC corps.

ORGANIZATIONS

- Student member, Association of Computing Machinery (ACM).
- Student member, Institute of Electrical and Electronic Engineers (IEEE).
- Graduate member, Computer Registration Council of Nigeria (CPRN).

ACHIEVEMENTS

- Black in AI grant recipient to attend NeurIPS 2018 Conference.
- Google Inside looker, one of the 34 from EMEA invited to Google Munich on merit base.
- Winner, IBM Great Minds 2018, among the 5 winners selected across EMEA for research internship.
- Scholar, Mandela Institute for Development Studies, academic & leadership merit based.
- Scholar, MTN Science & Technology 2013 – 2015, based on excellent academic performance.
- Finalist, 2016 Seedstar African startups pitch in Rwanda.
- NICTED Software Challenge Prize – 2013.
- 2009 International Olympiads In Informatics (IOI) Nigeria contestant – Bulgaria.
- Bronze Medalist, 2009 African Informatics Olympiads.
- Gold Medalist, 2008 Nigerian Informatics Olympiads.
- Bronze Medalist, 2007 Nigerian Informatics Olympiads.