EVANS KWASI

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Website: https://www.robertdoe.com

EDUCATION

Kwame Nkrumah University of Science and Technology (KNUST)   Kumasi, Ashanti region
BSc. Computer Science (First Class)
CWA: 72.30/100   *2018 -2022*
Ghana Senior High Technical School   Takoradi, Western Region
W.A.S.S.C.E. (General Science)   *2014 – 2017*

WORK/RESEARCH EXPERIENCE

Undergraduate Research Project, KNUST, Ghana   *Jan 2022-Oct 2022*

Thesis: ***Smart Farming with IoT and Deep Learning for Early Weed Detection in Farms***

- Created a mobile app with Flutter for monitoring vital farm parameters like moisture, humidity, temperature, and dew point.

- Embedded a custom-built RESNET algorithm for detecting weeds in the farm in the app.

Django Backend Developer, BMJ GIFTED FOUNDATION   *Jan 2022 – Mar 2023*
(An NGO that helps poor and needy kids with food, clothing, and shelter)
https://bgfoundationgh.org/

- Co-created a web app for the foundation for monitoring their works

Full Stack Developer, CUSTOMIZED POINT OF SALE SYSTEM (2-man team)   *Feb 2023 – May 2023*

(Developed the POS for both Sunstar Gold buying hardware store and St Louis self-reliance project for the needy)

https://st-louis-self-reliance-project.000webhostapp.com/Louisville/Admin/index.php

https://ayiemsgbr.000webhostapp.com/Sunstar7road/Admin/

- The application helps companies to monitor business analytics, track purchases, process sales and manage inventory

- Has a customary relationship system (CRM) for keeping transactions between customers and the company

Teaching/Research Assistant,
KNUST   *Nov 2022 – Present*

- Teach non-CS students Excel and PowerPoint courses

- Review and assist research work for undergraduates under my supervisor

- Lead seminars and tutorials in Open Source and Data Structures classes

CHRIST LEADING INTERNATIONAL SCHOOL   *Jun 2017 – Aug 2018*

- Taught Mathematics and Integrated Science at the Junior High School level
- 100% pass in the 2017 BECE in both Integrated Science and Mathematics

PUBLICATION

An Improved Indoor Navigation Application Model with Computer Vision and Augmented Reality In Complex Buildings (Co-Author)

- Manuscript has been submitted to the Journal of the Ghana Science Society for Review

PROJECTS

The Termite, A blogpost web app   *April 2023 - Present*

- Creating a blog site where young writers can post their articles and also chat.

XKernel, A x64bit lightweight Kernel),   *Mar 2021- June 2021*

- Developed a customized lightweight x64bit kernel for building lightweight operating systems.

AI Image Generator, a clone of DALL-E   *May 2023- May 2023*

- Developed an AI image generator web app using Reactjs to create images for my projects.

Web App for Automatic Machine Learning Model Training

- Train models using XGBoost, Linear Regression, Random Forest, KNN, and SVM
- All you have to do is upload your dataset in a CSV format

COMMUNITY ENGAGEMENTS

Programming for Kids (2019)

- A group for introducing and teaching basic school kids in the Esiama community to programming.
- Computer literacy to kids in the form of MS Word and Excel

Covid-19 Relief Program for Government Schools in Esiama Community (2020)

- Provided Covid-19 PPEs to all the government schools in the Esiama community to help them feel safe in school.

TECHNICAL SKILLS

Skills: Machine Learning, Pandas, Numpy, Pytorch, Technical Writer, Database Design and Management, Web, Mobile, and Desktop Applications Development, Prompt Engineering, Mindstorm EV3 robots, Git

LEADERSHIP

- **President of Computer Science Society**   *2019-2020*
- **Senator for Computer Science**   *2019-2020*
- **School of Groups (Computer Science), Founder**   *2021 – present*

REFERENCES

Prof. Michael Asante, KNUST (Supervisor)
masante.sci@knust.edu.gh