

Edmond Agbovi-Teye

BSc (Computer Science), Diploma (Education)

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RESEARCH INTEREST

- Computer Science Education and Learning Analytics
- Human Computer Interaction
- Reinforcement Learning with Human Feedback

EDUCATION/CERTIFICATION/TRAINING

- BSc Computer Science, *First Class Honours (FGPA: 3.63/4.0)* Awarded September, 2023.
University of Ghana, 2019 - 2023
Thesis: Credibility Design Factors for Virtual Reality Technologies and Applications: A Systematic Review
Advisor: Mark Atta Mensah
- Diploma in Education, *First Class Honors (FGPA: 3.61/4.0)* Awarded July, 2014
University of Cape Coast, 2011 – 2014
Thesis: Using Paper Strips to Enhance the Understanding of Fractions in Grade 4: An Action Research
Advisor: Dr. Barrett Wussah
- Data Analyst Nanodegree (Udacity), 2023
- Workshop: Systematic/Scoping Review for MPhil Students, Oct. 2023
University of Ghana
- Workshop: Enhancing Research Performance with Scopus and SciVal, Oct. 2022
University of Ghana

RESEARCH EXPERIENCE

Research Assistant, Department of Computer Science
University of Ghana

Feb 2023 – Jan 2024

- Collaborated on research work on credibility design factors for virtual reality and related technologies.
- This culminated into my final year project at the university of Ghana.

Course Project, University of Ghana

- Performed an analysis of the opinions of Ghanaians about President Akufo Addo Using Twitter Data and wrote a term paper on it.

Final Year Project, University of Cape Coast

- Designed and implemented paper strips for improving students understanding of fractions in grade 4.

THESES

- Agbovi-Teye, E.(2023): Credibility Design Factors for Virtual Reality Technologies and Applications: A Systematic Review. A BSc Undergraduate Research Project, submitted to the Department of Computer Science, University of Ghana, Legon.
- Agbovi-Teye, E. (2014): Improving Pupils' Understanding of Fractions Using Paper Strips. A BA Undergraduate Research Project, submitted to the Ada College of Education, University of Cape Coast, Ghana.

TEACHING EXPERIENCE

Teacher and Curriculum Leader

Sep 2014 - July 2019

Mayhem District Assembly School (Ghana Education Service) – (Full time)

- Prepared lesson plans and facilitated students learning activities on such lessons.
- Assessed pupils, kept their records, and provided periodic feedback.
- Served as a curriculum lead in the school and organized workshops on teaching difficult topics.
- Represented the school in various workshops and implemented such teaching strategies to improve pupils' understanding of concepts.

Academic Tutor, Faith Pre-University College (Part-time)

Jan 2016- Sept 2018

- Prepared students for university qualification examinations in mathematics and Economics.
- Organized one-on-one lessons for students with difficulties in the mathematics.

INDUSTRIAL EXPERIENCE

Backend Developer, UK Customs Declaration Service - Project (Contract/Remote)

July 2024 – present

- Developed an API-intensive application for UK customs declarations, using NodeJS to manage import/export declarations.
- Designed and implemented database schemas in PostgreSQL to store customs declarations data, optimizing data flow between frontend and JSON and backend XML payloads for API transmission.
- Collaborated with cross-functional teams to ensure compliance with UK custom's regulations.

Expert on LLM Dataset Construction Project, DataMaker Gh Ltd, Ghana – (Contract) March 2024 – July 2024

DataMaker is a Ghanaian-based South Korean labelling company and an AI Solutions provider. We worked on a large language model (LLM) dataset. My role involved leading a team of 5.

- Ensured appropriate responses are provided within the right context for the construction of the dataset.
- Trained and assisted researchers to provide appropriate error labels to AI generated responses.
- Performed daily inspections to identify and rectify errors in the dataset and reported to the project manager.

XL Micro Finance Service, Accra, Ghana – Backend Developer Intern

Feb 2022 – May 2022

- Have developed RESTFUL APIs using NodeJS and Express for communication between the frontend and the backend.
- Have designed MongoDB database for data storage, retrieval, and manipulation to meet the requirements of the application.
- Worked with the frontend developer to integrate the backend functionality into React.

VOLUNTEERING & LEADERSHIP

Co-Mentor of AF Youth Development Department, Accra – Ghana

- Organized seminars, workshops for students.
- Taught programming lessons for students aspiring for STEM programs.

AWARDS/SCHOLARSHIPS/ACHIEVEMENTS

- First Class Honors, BSc Computer Science, University of Ghana, 2023
- Dean's List, School of Physical and Mathematical Sciences, University of Ghana, 2021
- Award for Best Graduating Student for Diploma in Education, University of Cape Coast, 2014
- First Class Honours & Valedictorian, Diploma in Education, University of Cape Coast
- Ghana National Petroleum Commission Full Scholarship for STEM (2019-2023)

SKILLS

- Programming (Python, Java)
- Web development (JavaScript, Html, CSS)
- API (NodeJS, Django)
- Data analysis, natural language processing
- Research and teaching