

EDMOND AGBOVI-TEYE

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RESEARCH INTEREST

- Computational thinking and creativity in programming education
- Learning analytics/AI in education
- Human-computer interaction

EDUCATION

University of Ghana BSc Computer Science (FGPA: 3.63/4.0)	Accra, Ghana 2019-2023
University of Cape Coast Diploma (Associate Degree), Education (FGPA: 3.61/4.0)	Cape Coast, Ghana 2011-2014

RESEARCH

University of Ghana	2022-2023
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Research Assistant, Supervised by Mark Atta Mensah

- Collaborated on a systematic review to identify credibility design factors for virtual reality technologies.
- Developed search strategies and extracted papers, applied inclusion/exclusion criteria, and synthesized findings.
- Authored a **thesis**: Credibility Design Factors for Virtual Reality Technologies and Applications: A Systematic Review

University of Cape Coast

Final Year Research Project, Advised by Dr. Barrett Wussah	2013-2014
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- Designed an action research project using paper strips to enhance Grade 4 pupils' understanding of fractions.
- Conducted pre- and post- tests to assess learning outcomes, demonstrating significant improvement in student comprehension.

Thesis: Using Paper Strips to Enhance Pupils' Understanding of Fractions in Grade 4: An Action Research

University of Ghana -Course Project,

- Mined Twitter data and conducted sentiment analysis using Python.
- Authored a term paper documenting methodology and results.

TEACHING EXPERIENCE

Ghana Education Service, K -12 Teacher and Curriculum Leader	Ada West District 2014-2019
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- Designed lesson plans and facilitated students learning activities.
- Assessed pupils, documented records, and provided periodic feedback.
- Organized peer workshop to support teachers in delivering abstract topics.
- Represented the school in workshops and implemented teaching strategies to enhance pupil's conceptual understanding.

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

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

Ada West District
2016-2018

INDUSTRIAL EXPERIENCE

AfriqueTek, Backend Developer (Contract)

- Developed API-intensive application for customs declarations using NodeJS and PostgreSQL.
- Designed and implemented database schemas to support real-time data processing.
- Ensured compliance with UK custom's regulations by optimizing data transmission pipelines.

DataMaker Ghana Ltd, LLM Dataset Construction Inspector

**Accra, Ghana.
Mar 2023- July 2024**

- Inspected and labelled datasets to ensure accuracy for AI training models.
- Trained team members on error labeling and dataset construction best practices.
- Documented inspections and labeling activities.

AfriqTek, Software Developer Intern Accra, Ghana

**Accra, Ghana
2021- 202**

- Developed RESTFUL APIs using NodeJS and Express.
- Designed MongoDB database schema for optimized data storage, retrieval, and manipulation.

VOLUNTERING

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

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

OTHER TRAINING

- Data Analyst Nanodegree (**Udacity**) **Dec 2022 – Feb 2023**
- Workshop: Systematic/Scoping Review for MPhil Students, **University of Ghana** **Oct. 2023**
- Workshop: Enhancing Research Performance with Scopus and SciVal, **University of Ghana** **Oct 2022**

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 Honors & Valedictorian, Diploma in Education, University of Cape Coast
- Ghana National Petroleum Commission Full Scholarship for STEM (2019-2023)

SKILLS

- Programming: Python, JavaScript, Java
- Database: PostgreSQL, MongoDB, MySQL
- Web development: JavaScript, Html, CSS
- API: NodeJS, Django
- Data analysis & machine learning (with Python)
- Research: Systematic review, Writing in the sciences
- Teaching: Lesson design, Assessment, K-12 education.