

OBENG FRANCIS

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CURRICULUM VITAE

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RESEARCH INTEREST

My research interest lies in Software Engineering, Software Architecture, and the Application of Automation in Software Engineering/Development.

EDUCATION

Virginia Tech. University

Ph.D. Computer Science

Blacksburg, VA, USA

January 2023

University of Education

B.S Info. Technology Edu.

Winneba, Ghana

Aug 2015 – July 2019

Enchi College of Education

Diploma in Basic Education

Enchi, Ghana

June 2009 – July 2012

SKILLS

Programming Languages: C++, Java, HTML, CSS, SQL, and Python.

Research Tools: SPSS, LaTeX, JMP, and Tableau.

IDEs: VS Code, Sublime, IntelliJ IDEA, Jupyter and PyCharm.

RESEARCH LICENSES

- Financial Conflict of Interest Training Requirement for Sponsored Research.
- Information Privacy and Security (IPS).
- Basic Responsible Conduct of Research.

EMPLOYMENT

Virginia Tech. University

Graduate Teaching Assistant

Blacksburg, VA, USA

Present, 2023.

Mobile Application Development (CS 5254)

Web Application Development (CS 5244)

Professionalism in Computing (CS 3604)

- Grading student's projects in Mobile and Web Application Development.
- Reporting on students' graded assignments and projects.
- Assisting students with a selection of big themes for their case presentations.

Obuasi Senior High Technical School

Obuasi, Ash – Ghana

Information Technology Instructor

Oct. 2019 – Dec 2022

- Instructing students in C++ programming, HTML, CSS, and Database.
- Evaluating learner's academic performance through exercises, assignments, and projects.

West Africa Examination Council

Obuasi, Ash - Ghana

Assistant Examiner

Nov 2020 – Dec 2022

- Grading students' examination scripts in information and communications technology.
- Recording students' scores for onward processing by the examination council.

Ghana Statistical Service

Asokwa, Ash – Ghana

District IT Officer

June 2021– Nov 2021

- Training supervisors and enumerators on the use of census technological tools such as tablets, laptops, and Computer-Assisted Personal Interviewing (CAPI) software.
- Supervising the transfer/syncing of census data from tablets and laptops to the national data warehouse/data center.

Interviewer

April 2018–June 2018

- Interviewing respondents in the assigned enumeration area on the census of agriculture.
- Transfer of census of agriculture data collected to the national data center.

Interviewer

June 2017 – Oct 2017

- Interviewing respondents in the assigned enumeration area on the maternal mortality survey by using Computer-Assisted Personal Interviewing (CAPI).
- Transfer/syncing of maternal mortality survey data collected to the national data center.

Forestry Commission of Ghana

Ejisu, Ash – Ghana

Internship

July 2018 – Sept 2018

- Designed the front end of the Ejisu-Akyawkrom branch of the commission's website

- Implemented and developed the designed front end of the commission's website.

Ghana Education Service

Ashanti region-Ghana

Teacher

Sept 2012 – Aug 2015

- I was responsible for teaching Junior High Students computer hardware, computer software, internet usage, word application, and spreadsheet data analysis.
- I was responsible for evaluating learners computing knowledge and skills through assignments, exercises, project work, and examinations.

ONLINE COURSES ON COURSERA

University of Michigan

Ann Arbor, Michigan

Programming for everybody (getting started with Python)

June 2021 – July 2021

Web Application Technologies and Django

June 2023

University of Illinois

Urbana-Champaign

Data Visualization

June 2021 – July 2021

DeepLearning.AI

USA

Artificial Intelligence for everyone

May 2023

University of Pennsylvania

USA, Pennsylvania

Introduction to Python Programming

July 2023

University of London

UK, England

Introduction to Network Security

RECENT SEMINARS ATTENDED VIA ZOOM

Dr. Gokul Ravi, University of Chicago

“A Hybrid Computing Ecosystem for Practical Quantum Advantage”

Feb 2, 2023

Dr. Igor Kadota, University of Columbia

“Wireless Networks for Future Applications: from Network Drones to Adaptive Control of Integrated Circuits”

Feb 1, 2023

Dr. Narges Mahyar, University of Massachusetts Amherst

“Human-Centered Computing for Address Complex Sociotechnical Problems”

Jan 31, 2023

Dr. Zongchen Chen, MIT.

“Sampling from Graphical Models via Spectral Independence”

Jan 30, 2023