EDMOND YEBOAH

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Education

Valley View University   **Aug. 2016 – Nov. 2020**
Bachelor of Science in Computer Science   *Accra, Ghana*
- CGPA: 3.72 / 4.00

Relevant Coursework

- Data Structures and Algorithms
- Operating Systems
- Database System Design
- Expert Systems and Artificial Intelligence
- Software Engineering
- Programming with Java
- Computer Architecture
- Programming with C

Research Experience

- Undergraduate research assistant to Dr. Kof Sarpong Adu-Manu on the topic "Water quality monitoring using wireless sensor networks: Current trends and future research directions"

Professional Experience

Enterprise Computing Limited   **November 2022 – Present**
Software Analyst   *Tema, Ghana*

- Conducted user research and built wireframes and UI prototypes for systems using Figma.
- Designed and developed front-end enterprise systems and websites that integrate with backend applications through **APIs** using **AngularJS**, HTML, and CSS.
- Tutored at least 50 Senior High School and University students per quarter in Python, Django, HTML, CSS, and JavaScript.
- Developed software robots to automate mundane processes in the banking sector using **OpenBots** and **Microsoft Power Automate**.

Earlbeam Group Limited   **September 2022 – November 2022**
Website Developer and Digital Marketer   *Accra, Ghana*

- Planned, designed, and built six search engine-optimized websites, increasing online presence score by 30 percent.
- Developed and executed social media marketing strategies aligned with the company's objectives on three digital channels.
- Managed the company's social media presence on three digital channels, increasing brand awareness by 20 percent.

Teaching

Tutor | *Enterprise Computing Limited*

- Taught web development with Django and programming with **Python** to **over 50 Senior High and University Students** per quarter.

Teaching Assistant | *Computer Science Department, University of Ghana*

- Taught multimedia and embedded systems under the supervision of **Abdullai Dwumfour**

Undergraduate Teaching Assistant | *Computer Science Department, Valley View University*

- Taught **COSC 221 Programming with C++**, **COSC 255 Operating Systems**, and **COSC 260 Systems Analysis and Design** under the supervision of **Dr. Kofi Sarpong Adu-Manu**.

Pupil Teacher | *Vickmen's Montessori School*

- Volunteered to teach grade six students an introduction to ICT, Mathematics, and integrated science.

Key Projects

WorkMate | *Angular, OpenBots, Apache ECharts*
- Conducted user research and built wireframes and high-fidelity prototypes using Figma
- Integrated front-end with a Spring (Java) backend and OpenBots server via APIs to enable a user to run a software bot from the dashboard.

ECLPay | *Angular, Apache ECharts*
- Built a payment gateway that integrates Mobile Money service providers and MasterCard to enable clients to receive customer payments.

Automated Bank Processes | *OpenBots, Excel, Microsoft Power Automate*
- Developed software robots to reconcile over 150,00 daily transactions in less than 6 minutes, which saved approximately 5 hours of time

Honors and Awards

Best graduating student, Computer Science Department-Valley View University **2020**

Dean's list, Valley View University **2020**

Service and Extra-curricular Activities

- Participated in a **hackathon** hosted by the National Information Technology Agency (NITA) as part of the **Ghana Open Data Initiative** in 2019.
- Volunteered to join the **instructional and technical support team** that was set up at Valley View University to move education online during the COVID-19 pandemic.
- Volunteered to **host coding lab sessions** for sophomores and juniors at the computer science department at Valley View University.
- Presented on "the impact of Artificial Intelligence in the education sector" on TekTalk (a university radio program to discuss and educate listeners on the latest IT technologies).
- Attended the **Africa Money and DeFi Summit West Africa** organized by Africa Tech Summit in 2023.
- Gave a presentation at the launching event of WorkMate on the importance of automating banking processes to improve efficiency and reduce errors in the banking sector.
- Attended the launch of the **National Cyber Security Awareness Month** (NCSAM) 2023.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio
Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit, WordPress