

Edem Ahorlu

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EDUCATION

Duke University

Durham, NC

Bachelor of Science in Computer Science, Karsh Scholar

May 2023

Relevant Coursework

Data Structures and Algorithms, Computational Approaches to Human Language, Operating Systems, Computer Security, Design and Analysis of Algorithms, Software Design and Implementation

TECHNICAL SKILLS

Languages: Swift, Java, C, Python, R, HTML, CSS, JavaScript, PHP, SQL, Bash

Frameworks: SwiftUI, UIKit, Node.js, Express.js, Java Servlet, REST API, JUnit, WordPress, TensorFlow, PyTorch

Developer Tools: Linux, Git, Docker, VS Code, PyCharm, IntelliJ, Xcode, Google Cloud Platform

Libraries: Tensor2Tensor, React, NumPy, Matplotlib, Pandas, jQuery

EXPERIENCE

Google Software Product Sprint

May 2022 – August 2022

Google

Remote

- Developed a user-friendly personal portfolio website leveraging Google Cloud Platform APIs
- Collaborated in an agile environment, contributed to open-source, and engaged in code reviews
- Streamlined office hours management by creating an intuitive web app for students and TAs, reducing scheduling conflicts

Software Engineer Intern, CodePlus

May 2021 – August 2021

Duke University

Durham, NC

- Engineered a responsive WordPress student portfolio template, adopted by over 100 Duke students
- Utilized HTML, CSS, JavaScript alongside WordPress to create dynamic web pages, improving load time by 25%
- Conducted interviews with 5 stakeholders and 30 students to gather user requirements, enhancing the website's user experience

Facebook Data Challenge

May 2021 – August 2021

Facebook

Remote

- Analyzed 8,800+ Netflix records, identifying key consumer behavior trends
- Leveraged SQL to manipulate data, working in a team of 3 to extract actionable insights
- Created data visualizations and used predictive modeling to forecast the success of TV shows and movies for potential investment opportunities

PROJECTS

Movie Dialogue Sentiment Analysis | *Python*

February 2023 – May 2023

- Curated a sentiment-annotated movie dialogue dataset with over 700 entries
- Trained a sentiment analysis model accuracy using BERT with 55%
- Achieved precision, recall, and F1-score metrics above 60% in model evaluation

Course Builder | *Swift, SwiftUI*

March 2023 – April 2023

- Developed a course planning app for Duke ECE Master's students with a drag-and-drop interface
- Integrated real-time class information using Duke's Streamer API, reducing search time by 30%
- Implemented graduation requirement checks and enabled course plan exports

ClassMateFinder | *Swift, SwiftUI, UIKit*

Jan 2023 – March 2023

- Created an iOS app for class data management with an intuitive UI
- Designed an immersive detail view with custom graphics, animations, and audio, increasing user engagement
- Enhanced app performance and user experience through responsive UI elements and real-time filtering

INTERESTS

Large Language Models, Natural Language Processing, LangChain, ML, Music Production, Audio Engineering