

Edem Ahorlu

919-536-8078 | edem.ahorluk@gmail.com | [LinkedIn](#) | github.com/Airdm404 | [Portfolio Website](#)

EDUCATION

Duke University

Bachelor of Science in Computer Science, Karsh Scholar

Durham, NC

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/C++, Python, R, HTML, CSS, JavaScript, Typescript, PHP, SQL, Bash

Technologies: Node.js, Angular.js, TensorFlow, Git, Docker, NumPy, SwiftUI, UIKit, Java Servlet, PyTorch, GCP

Concepts: Software Engineering, Agile Methodologies, Frontend, Backend, Fullstack, iOS Development, NLP, Machine Learning, Web Scraping, Data Analysis, System Design, API Design, Cloud Computing, CI/CD, Blockchain Technologies

EXPERIENCE

Software Engineer

IssakaAI

October 2023 – Present

Remote

- Enhanced IssakaAI's **React Native Base** app, creating a seamless and intuitive iOS community experience
- Implemented mobile app features, delivering personalized user experiences with advanced API integrations
- Led a scrum team in elevating app quality through targeted **Jest** test automation and continuous integration

Software Product Sprint

Google

May 2022 – August 2022

Remote

- Designed a GCP-hosted office hour scheduling app using **React** and **Java Servlets** to reduce scheduling conflicts
- Collaborated in a **scrum**-based **agile** team, enhancing open-source code quality by **30%** through Git code reviews
- Integrated advanced features using **GCP APIs** like translation and storage, refining TA-student interactions

Software Engineer Intern

CodePlus

May 2021 – August 2021

Durham, NC

- Engineered a responsive **WordPress** student portfolio template, adopted by over **250** Duke students
- Utilized **HTML**, **CSS**, **JavaScript** to create dynamic web pages, improving load time by **25%**
- Conducted interviews with **5** stakeholders and **30** students to gather user requirements, enhancing user experience

PROJECTS

Smart Home Bot | Python, Flask, Slack SDK, Slack Events API, JSON

May 2023 – May 2023

- Developed a Slack bot using **Python** and **Flask** for real-time queries to a scraped **Home Depot database**
- Enhanced user experience with slash commands for streamlined listing of product brands and categories

Course Builder | Swift, SwiftUI, iOS SDK, Streamer API, JSON

March 2023 – April 2023

- Built a Duke course planning iOS app with a **drag-drop interface**, graduation checks and course export options
- Integrated real-time class information updates using Duke's **Streamer API**, reducing search time by **30%**

ClassMateFinder | Swift, SwiftUI, UIKit, iOS SDK, JSON

Jan 2023 – March 2023

- Created a class database iOS app with an immersive UI, featuring custom graphics, animations, and audio
- Optimized performance and UX using responsive UI components and real-time data filtering techniques

Dogbed Database | Python, CLI

June 2023 – June 2023

- Built a key-value database applying **DBMS** principles and optimizing data handling with tree algorithms
- Refined DBDB's architecture for adaptability, performance, and developed a user-friendly command-line tool

Stream Server | JavaScript, Node.js

July 2023 – July 2023

- Developed an efficient **web server** from scratch using **Node.js** and **streams**, improving data handling efficiency
- Managed **asynchronous I/O operations**, enhancing server scalability and responsiveness for high-traffic