

Samuel Osa-Agbontaen

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Education

HARVARD UNIVERSITY

Bachelor of Arts (A.B.) in Computer Science

Cambridge, MA

Graduated May 2024

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Graphics, Visualization, Discrete Mathematics, Linear Algebra, Calculus, Theory of Computation, Probability & Statistics

Skills

Programming: Python (Flask), Golang, PostgreSQL, C++, C#, JavaScript, React, HTML/CSS, gRPC, REST

Tools: Snowflake, PagerDuty, GitHub Actions (CI/CD), Jira, Confluence, Figma

Cloud/Devops: Docker, AWS (EC2, S3, Lambda, ECS), Datadog, Sentry

Experience

COALITION INC.

Remote (USA)

Software Engineer

Jan 2025 - Present

Designed and deployed REST APIs for Coalition's global insurance platform using Golang, Flask, PostgreSQL, and gRPC, following TDD and microservice best practices. Managed CI/CD with GitHub Actions for AWS ECS deployments.

Localized a new insurance product for Australia and French/English-speaking Canada, ensuring regional compliance in collaboration with product and underwriting teams. Supported on-call operations and incident response with Datadog, Sentry, and PagerDuty. Applied Domain-Driven Design and layered architecture to model complex business logic in the cyber insurance domain.

META

Menlo Park, CA

Software Engineering Intern (iOS)

May 2023 - August 2023

Developed a preview feature for the Meta Ray-Ban Smart Glasses iOS app using Swift, Xcode, and the Combine framework in an MVVM architecture. Enabled users to preview their captures before importing, reducing wait times and minimizing unnecessary imports.

META

Seattle, WA

Software Engineering Intern (iOS)

June 2022 - August 2022

Led the development of a capstone iOS project using Objective-C and Xcode, applying the MVC architecture. Owned the entire lifecycle, from wireframing and project roadmap creation to prototyping, coding, and demoing the final product. Integrated external libraries and adhered to industry best practices in project management, code reviews, and version control.

AZARA HEALTHCARE

Burlington, MA

Full-Stack Software Engineering Intern

June 2021 - August 2021

Built a usage dashboard that asynchronously displays visual analytics of health centers nationwide that use our services to track patient needs and store information in databases. Worked in .NET Framework in Visual Studio using C# with LINQ, SQL, HTML, CSS, JS, within an MVC design pattern. Introduced Figma to the company as an efficient UI/UX design solution.

Projects

DATA VISUALIZATION ANALYSIS OF EDUCATIONAL SUCCESS IN THE UNITED STATES

April 2024

Built an interactive data visualization tool using d3.js to analyze factors influencing educational success in U.S. colleges, based on data from the U.S. Department of Education's College Scorecard. Collaborated with a team to design and implement visualizations to convey insights to non-technical audiences about income, geography, and completion rates.

HARVARD COMPUTER SOCIETY: TECH FOR SOCIAL GOOD

Cambridge, MA

UI/UX Designer & Researcher

February 2021 - May 2021

Designed a centralized evidence management system for the Human Rights Watch (HRW) to allow their researchers to digitally track and store evidence. Gained proficiency with Figma and learned UI/UX principles through regular design sprints that utilized the double-diamond research model. Conducted multiple user interviews, usability tests, and created lo-fi and hi-fi prototypes based on user personas and the varying needs of the HRW's researchers.