

Samuel Osa-Agbontaen

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Education

HARVARD UNIVERSITY

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

Cambridge, MA

May 2024

Relevant Coursework: Algorithms and Limitations, Abstraction and Design in Computation, Object Oriented Programming, Systems Programming and Machine Organization, Computer Graphics, Theory of Computation, Visualization, Discrete Mathematics, Linear Algebra, Calculus, Probability and Statistics, Macro and Micro Economic Principles, Intermediate Chinese

Technical Skills

Programming: Experience with Python, C++, C#, Swift, Objective-C, HTML, CSS, Javascript, d3.js

Design & Editing: Adobe Photoshop, Figma, Canva, CapCut, Inshot

Tools: Unity, Visual Studio Code, Xcode, Github, Mercurial, Notion, Todoist

Relevant Experience

META

Menlo Park, CA

Software Engineering Intern

May 2023 - August 2023

Worked with Swift, Xcode, and the Combine framework using the MVC architecture to develop a new feature for the iOS app for the Meta Ray-Ban Stories Smart Glasses.

META

Seattle, WA

Meta University iOS Intern

June 2022 - August 2022

Worked with Objective-C and Xcode to develop a capstone iOS project using MVC architecture. Learned to integrate external libraries into iOS apps. Received mentorship about industry standard best practices regarding project management, code-reviews, standups, collaboration, and version control.

AZARA HEALTHCARE

Burlington, MA

Software Engineering Intern

June 2021- August 2021

Optimized SaaS web applications in an agile environment with a team of software engineers to assist community health centers nationwide with solutions for tracking patient needs and storing information in databases. Worked in .NET Framework in Visual Studio using C# with LINQ, SQL, HTML, CSS, JS, using an MVC design pattern, and used Figma for UI/UX. Attended code reviews, regular standup meetings, tracked projects using Jira, and learned version control practices using Git. Built a usage dashboard that asynchronously displays visual analytics of health centers that use our service.

HARVARD COMPUTER SOCIETY: TECH FOR SOCIAL GOOD

Cambridge, MA

UX Designer

February 2021 - May 2021

Designed a centralized evidence management system for the Human Rights Watch to allow their researchers to digitally track and store evidence. Developed experience 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.

Projects

BETTER BUS

April 2023

Developed a campus transit web application using React.js and the Google Maps API as part of an assignment to enhance Harvard's current transit app.

CENTRALITY

May 2022

Developed a multi-faceted productivity app for iOS using Objective-C and Xcode within the MVC architecture as part of the Meta University internship program.