

OLUWAYANMIFE URIAH ADENIRAN

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EDUCATION

Hamilton College

Bachelor of Arts, Computer Science and in Economics

2022 - May 2026

- **GPA:** 3.7
- **Achievements:** Dean's List (Academic Year 2022 – 2023, 2023 - 2024)
- **Coursework:** Web Accessibility, Algorithms and Data Structures, Principles of Programming Languages, Deep Learning, Computer Architecture, Machine Learning

SKILLS

- **Languages:** Python, C++, C#, JavaScript, TypeScript, Dart, R, Java, HTML/CSS, Bash
- **Frameworks & Libraries:** React, React Native, .NET, Django, Flutter, Node.js, Google Test
- **Tools & Platforms:** Git, Azure DevOps, Docker, Firebase, Android Studio, OpenAI API, Hugging Face, VS Code, RStudio, Flask
- **Concepts:** Object-Oriented Programming, Prompt Engineering, Topic Modeling (BERT, STM), Web Accessibility, UI/UX Design, Machine Learning

EXPERIENCE

Voify

May 2025 - Aug 2025

Software Engineering Intern

- Developed and deployed a C# backend endpoint for sending call transcripts, resolving 5 customer tickets and improving response time by 20%.
- Developed Python and C# scripts that use OpenAI models to automate bug classification and call session labeling, reducing manual analysis time by 2-3 hours daily.
- Engineered several React Native components, including complex search functionality, overcoming performance challenges to improve user experience and drive a 10% increase in app engagement.
- Participated in daily standups and shadowed senior engineers, implementing learned best practices such as code reviews and test-driven development, resulting in a 50% reduction in deployment errors
- Provided insights on bilingual (Spanish-English) interactions during AI assistant planning, proposing post-welcome language selection to improve UX and avoid automatic switching, influencing the winning client proposal

Hamilton College

May 2025 - Present

Research Assistant

- Built and improved topic models using BERT and STM in R by modifying stopword lists and optimizing topic numbers, saving tens of hours otherwise spent manually categorizing legal data in Excel.
- Engineered R and Python scripts using OpenAI's API for automatic labeling of 5000 historical texts, reducing manual categorization time by 1000%.
- Analyzed and presented weekly comparisons of AI-generated and model-based classifications, leading to a 50% improvement in classification accuracy and informing key research decisions.
- Integrating Hugging Face's Caracal model into a Flask and React Native web application, projected to reduce handwriting transcription time by 500% for thousands of historical documents.

Voify

May 2024 - Aug 2024

Software Engineering Intern

- Developed 50+ unit tests and 5 new testing categories in .NET and C# by identifying and categorizing issues from 20+ daily customer-AI interactions.
- Implemented several customer-facing features, including an autofilter with real-time closest-match selection logic, and resolved front-end bugs, enhancing UX and reducing customer support tickets by 10%.

PROJECTS

Sesame Exchange Shop | [Project Link](#)

Jul 2025 - Nov 2025

- Developed full-stack mobile marketplace enabling peer-to-peer item sharing with AI-powered image recognition (95%+ accuracy using Hugging Face BLIP model) and real-time messaging for 500+ projected campus users.
- Implemented Firebase backend (Authentication, Firestore, Realtime Database, Storage) with Cloudinary CDN integration for optimized image delivery, reducing load times by 60% and supporting 1000+ item listings.
- Built responsive Flutter UI with 8+ screens using Provider state management and Material Design 3, featuring smart category filtering across 7 categories and Google OAuth authentication
- Designed for campus sustainability with projected \$200-500 savings per student/semester and 30% waste reduction through item reuse.

Cross-Platform To-Do App

Feb 2025 - Apr 2025

- Engineered a cross-platform task app for Android, Web, and macOS using Flutter, Dart, and Firebase, implementing Google Sign-In and real-time task sync; overcame data consistency challenges to ensure seamless user experience across devices.

Accessible Navigation Chrome Extension

Oct 2024 - Nov 2024

- Developed a Chrome extension in JavaScript and CSS that enhances web accessibility for motor-impaired users, implementing screen scanning and button simulation features that reduce navigation time by 200%.