Tochi Onuegbu

tochi.onuegbu@duke.edu | my-portfolio-9eea.fly.dev | github.com/tochi-onuegbu

EDUCATION

Duke University — Durham, NC
Bachelor of Arts in Computer Science, Economics Minor — GPA: 3.7 — May 2025
- Rubenstein Scholar: full-ride scholarship for academic excellence, leadership, and community service

TECHNICAL SKILLS

Languages: Java, Swift, Python, JavaScript, TypeScript, Kotlin, HTML5/CSS, Tailwind, R
Frameworks: React, Node.js, Angular.js, Ruby on Rails, Remix, Flask
Databases: SQL (Postgres, SQLite, MySQL), MongoDB, Firebase
Tools: Git Version Control, Bash Shell, Xcode, Unix, Flutter, Docker, VS Code, Android Jetpack Compose, SAS, Jenkins, IntelliJ, Google Cloud, AWS

EXPERIENCES

Prudential Financial — Newark, NJ
Software Engineer Intern — June 2024 – August 2024
- Designed and implemented the UI/UX of a full-stack model price calculator web application using React for the front-end and Python/Flask for the back-end, replacing outdated Excel processes with an automated solution
- Resolved 97% of critical Java vulnerabilities by leading coordinated patching efforts with domestic/offshore teams
- Diagnosed and resolved recurring server errors, improving system stability and increasing efficiency
- Streamlined CI/CD pipelines in Jenkins by merging processes into a continuous workflow, reducing pipeline check times, and improving deployment efficiency

Duke Office of Information Technology — Durham, NC
Software Engineer — January 2024 – May 2024
- Contributed to the feature expansion for the iOS mobile app, adding key functionalities and optimization for production
- Utilized Docker to containerize the application's backend services, streamlining development and testing workflows
- Integrated API calls from cross-functional teams, collaborating closely with back-end developers to align their services with our app requirements
- Spearheaded the development of the Android app, ensuring feature parity with the iOS version to achieve a seamless user experience across OS platforms

Software Engineer Intern — May 2023 – August 2023
- Designed the UI/UX and built the front-end of a mobile iOS attendance-tracking app to boost classroom attendance by 75%
- Developed a full-stack web application using Ruby on Rails, Docker, and PostgreSQL to allow for communication with the web and iOS app
- Performed code reviews to optimize database query runtime efficiency and improve code quality
- Incorporated feedback from stakeholders, team leads, and Duke OIT officials to refine the minimum viable product

Coding Minds — Remote
Coding Instructor — Jul 2023 – May 2024
- Instructed clients in Flutter, Swift, HTML, CSS, JavaScript, Python, and Roblox courses
- Guided clients to deploy their website using Fly.io, Replit, and GitHub
- Revised the HTML curriculum development and web prototyping

PROJECTS

Planet | *Swift, Docker, Firebase, Figma, Fullstack* — Sep 2024 - Present
- An iOS mobile application that uses AI to create the perfect photo dump, presented in a Pinterest-style fashion

DukeAttend | *Swift, Android Compose, Docker, Ruby on Rails, JS, Git, Fullstack* — May 2023 – May 2024
- An attendance tracking app that encapsulates an iOS and Android mobile app, which students use to check in, and a web app, which is the professor's primary interface

Personal Portfolio | *Remix, Tailwind CSS, Fly.io, Prisma, JavaScript, TypeScript, Git, Frontend* — Sep 2023
- Designed and implemented the second iteration of my personal portfolio website using Remix