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   *May 2025*
- Rubenstein Scholar: full-ride scholarship for academic excellence, leadership, and community service

TECHNICAL SKILLS

Languages: Java, Swift, Python, SQL (Postgres, SQLite, MySQL), JavaScript, TypeScript, HTML5/CSS, Tailwind, R
Frameworks: Ruby on Rails, Remix, React, Flask, Node.js, Angular.js
Databases: PostgreSQL, SQLite, MySQL, MongoDB, Firebase
Tools: Git Version Control, Bash Shell, Unix, Docker, VS Code, Xcode, Flutter, Jetpack Compose, Fly.io, SAS
Libraries: Java API, pandas, scikit-learn, Natural Language Processing (NLP), NumPy, Matplotlib

EXPERIENCES

Software Engineer Intern   May 2023 – Present
Duke Office of Information Technology   *Durham, NC*
- Building an iOS attendance-tracking app from the ground up to boost classroom attendance by 75%
- Developing a full-stack web application using Ruby on Rails, PostgreSQL, and Docker to allow for communication with the web and iOS application
- Perform code reviews to optimize database query runtime efficiency
- Incorporate feedback from stakeholders, team leads, and Duke OIT officials to refine the minimum viable product

Coding Instructor   Jul 2023 – Present
Coding Minds   *Remote*
- Instruct clients in HTML, CSS, JavaScript, Python, and Roblox courses
- Guide clients to deploy their website using Fly.io, Replit, and GitHub
- Revise the HTML curriculum development and web prototyping

PROJECTS

DukeAttend | *Swift, PostgreSQL, Ruby on Rails, HTML, CSS, JS, Git, Docker, Fullstack*   May 2023 – Present
- An attendance tracking app that encapsulates an iOS app, which students use to check in, and a web app, which is professors' primary interface

Web Development | *React, Flask, Django*   Oct 2023 - Present
- Undertaking a comprehensive web revamp and re-implementation initiative for the non-profit organization Olympic Gold Quest to enhance their mission and optimize the user experience.

Mini Amazon | *Python, Flask, PostgreSQL, Git, Docker, Fullstack*   Sep 2023 – Dec 2023
- Online marketplace users can browse to shop, with a fully functional and integrated front-end and back-end

Rules-based sentiment analysis | *SAS, Natural Language Processing (NLP)*   Sep 2023 - Dec 2023
- Utilized SAS' text mining tool to create text classification rules that extracted information from a text corpus

tochionuegbu.com | *Remix, Tailwind CSS, Fly.io, Prisma, JavaScript, TypeScript, Git*   Sep 2023
- Second iteration of my personal portfolio website using Remix, a full-stack framework that operates as an extension of React. Tailwind CSS was used for front-end and Fly.io for deployment.

CrunchTime | *Swift, Git, PostgreSQL, Git, Figma*   Jul 2022 – Aug 2023
- An iOS application that helps students utilize their time by breaking big projects down into manageable tasks.

Snake Game | *Java, Git*   Sep 2022
- Simple program that enables the active user to control a snake and eat as many apples as possible.