

# Tochi Onuegbu

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## EDUCATION

### Duke University

Durham, NC

*Bachelor of Arts in Computer Science, Certificate in Digital Intelligence*

*May 2025*

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

## EXPERIENCE

### Software Developer Intern

May 2023 – Present

*Duke Office of Information Technology*

*Durham, NC*

- Collaborate with a team of six students using Xcode's storyboard IDE to develop an NFC attendance-tracking app, aiming to enhance classroom attendance by at least 75%
- Develop a full-stack web application using HTML, CSS, JavaScript, PostgreSQL, and Docker to allow communication with the web and iOS application
- Working vigilantly with stakeholders and Duke Office of Information Technology to launch the application for deployment in all Duke undergraduate and graduate classrooms by next year
- Conducting in-depth research on user interface design, emphasizing the incorporation of accessibility features

### Full-Stack Web Developer

Sep 2023 – Present

*Duke University Department of Computer Science*

*Durham, NC*

- Building a database-driven website using Python, Flask, and PostgreSQL from the ground up that mimics the functionalities of an online marketplace
- Collaborate closely with my team on the overall database schema design, website design, and API integration
- Actively contribute during weekly stand-up meetings with project team

### Computer Science Instructor

Jul 2023 – Present

*Coding Minds*

*Remote*

- Lead weekly one-on-one, project-based HTML, CSS, JavaScript, and Roblox classes to clients using Replit's IDE
- Guide clients to deploy their website using Fly.io
- Revise the HTML curriculum development and web prototyping

## PROJECTS

### DukeAttend | *Swift, PostgreSQL, HTML, CSS, JS, Ruby on Rails, 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 the professor's primary interface

### Mini Amazon | *Python, Flask, PostgreSQL, Git, Fullstack*

Sep 2023 – Present

- Online marketplace users can browse to shop. Simply sign in to your account to purchase the items in your cart.

### CrunchTime | *Swift, Git, PostgreSQL, Git, Figma*

Jul 2022 – Aug 2023

- App that helps students utilize their time by breaking big projects down into smaller "bites" — excuse the pun.

### 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.

### Snake Game | *Java, Git*

Dec 2022

- Simple program that enables the active user to control a snake and eat as many apples as possible. Just don't run into the walls or it's game over!

### Noted | *Flutter, Firebase*

Sep 2022

- A mobile journaling application, with user authentication, tailored for users with Alzheimer's disease.

## TECHNICAL SKILLS

**Languages:** HTML/CSS, Java, Tailwind CSS, Python, SQL (Postgres, SQLite), Swift, JavaScript, TypeScript, R, Lua

**Frameworks:** Remix, React, Node.js, Flask, WordPress

**Developer Tools:** Git, Docker, VS Code, Xcode, Flutter, Bash, Fly.io, Prisma, Prettier, Cypress, Vercel, Google Cloud Platform, Firebase, Figma

**Libraries:** pandas, NumPy, Matplotlib, Java API