

# Tochi Onuegbu

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## 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:** Remix, React, NodeJS, AngularJS, MongoDB, Flask, Ruby on Rails

**Developer Tools:** Git Version Control, Bash Shell, Unix, Docker, VS Code, Xcode, Flutter, Jetpack Compose, Fly.io, SAS, Firebase

**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 HTML, CSS, JavaScript, PostgreSQL, and Docker to allow 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

### Software Developer Intern

Oct 2023 – Present

*Olympic Gold Quest*

*Remote*

- Integrating the front-end and back-end using React, Flask, and Django
- Refining the database to optimize data management and user interaction
- Participating in stakeholder meetings to gather feedback, ensuring the product's alignment with key objectives
- Implementing security measures to safeguard the website against potential threats and vulnerabilities

### 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, 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 professors' primary interface

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

Sep 2023 – Present

- Online marketplace users can browse to shop, with a fully functional and integrated front-end and back-end

**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.

**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*

Sep 2022

- Simple program that enables the active user to control a snake and eat as many apples as possible.