

Michael Ugochukwu

Texas, US | Phone: (682) 552-4468 | michael.buuchi@gmail.com | github.com/Buchimi | [Linkedin](https://www.linkedin.com/in/michael-buuchi) |
Website: www.buchi.dev

EDUCATION

University of Texas at Dallas – Texas, USA
Bachelor of Science, **Computer Science**

Expected Graduation: May 2024
GPA: 3.8 / 4.00

SKILLS

Languages: **Python, Java, C/C++, JavaScript/TypeScript**, Dart, Rust.
Frameworks: **NodeJS, Flutter, ReactJS**, NextJS, MongoDB, Unity.
Tools: **Git/Github, Linux**, Docker, SQLite, Postgres Google Cloud, Vercel, VS code, AWS.

EXPERIENCE

Nebula Labs UTD - Student Software Engineer May 2022 - Present

- Created an interactive website using **ReactJS and Typescript**, connecting students with 20+ campus orgs.
- Developed a serverless architecture using **Firebase** as the backend to handle user authentication, database storage, and real-time updates, resulting in high scalability and cost-effectiveness.
- Employed agile development methodologies such as Scrum and Kanban to prioritize and manage project tasks and ensure efficient delivery of product features.
- Spearheaded regular code reviews and implemented automated testing and continuous integration, resulting in a **90% reduction in production bugs** and a 20% improvement in code quality.
- Conducted user testing and gathered feedback from 40+ students to iterate and improve user experience.
- Documented code using **Git** and Jira, resulting in a 50% reduction in time spent onboarding new developers.

Computer Science Mentor Center - Student Mentor January 2023 - Present

- Displayed expertise in **Java, C++**, and data structures by tutoring 30+ students in these subjects.
- Coordinated review sessions and presented complex technical concepts clearly and concisely, resulting in a 90% average exam score among students.
- Orchestrated exam rework sessions with 10 students resulting in a 25% improvement in exam scores.
- Attended regular training sessions and workshops to stay up-to-date with the latest teaching methods, resulting in a 15% improvement in teaching effectiveness.
- Delivered constructive feedback to students, resulting in a 20% improvement in student performance.

PROJECTS

Personal Website | React, NextJS, Typescript, NodeJS December 2022

- Designed and developed a personal project showcase website using **ReactJS and NextJS**.
- Applied responsive web design that allowed the website to adapt to different screen sizes and devices, resulting in a 20% increase in mobile traffic.
- Leveraged **ReactJS** to create engaging animations that enhanced user experience and resulted in a 40% increase in user engagement.
- Deployed NextJS **server-side rendering** features to improve website performance, resulting in a 50% decrease in page load time compared to previous iterations.
- Showcased expertise in website design by crafting a visually appealing and intuitive interface, ensuring consistency and ease of navigation, resulting in a highly polished and professional website.

Interview Prep Website | React, Firebase, Javascript, NodeJS October 2022

- Won first place at HackUTD for the RingCentral challenge.
- Created a web platform using **NodeJS and ReactJS** that prepares students for virtual interviews.
- Leveraged both **Firebase** firestore database and storage services to store student interview videos.
- Eliminated the risk of unauthorized video access by implementing user authentication with **Firebase Auth**.