

Somtochukwu Umeh

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Profile

Software Engineering student graduating in 2026, consistently performing in the top tier of my cohort. Skilled in Python, JavaScript/TypeScript, SQL, and full-stack development. I thrive in high-performance environments, enjoy building scalable products, and take ownership of delivering high-quality engineering work. Motivated by opportunities to contribute to global-scale technology and learn from experienced engineers.

Technical Skills

Programming: Python, JavaScript, TypeScript, SQL, Java, C++

Backend: Node.js, Express, REST APIs, GraphQL, Prisma

Frontend: React, React Router, Nuxt.js, Tailwind CSS

Mobile: Kotlin (Android), SQLite

Data: Data modelling, validation logic, analytics fundamentals

Tools: Git/GitHub, Postman, VS Code, CI/CD fundamentals

Concepts: System design, performance optimisation, automation, testing principles

Key Projects

AI-Powered Jewellery Website (Placement)

- Built recommendation engine using Nuxt.js, Tailwind CSS, and OpenAI API.
- Improved recommendation relevance by 22% and reduced load time by 30%.
- Delivered MVP early, enabling stakeholder testing and feedback.

WUC Software Suite (Group Project)

- Led requirements mapping, reducing feature ambiguity by 40%.
- Designed modules that improved workflow efficiency by 25%.
- Coordinated team delivery with 100% sprint completion.

Restaurant Management Mobile App (Independent Project)

- Developed Kotlin app with SQLite for secure data handling.
- Reduced query time by 45% and achieved 95% UI consistency across devices.
- Implemented secure login system blocking 100% of unauthorised access attempts.

Additional Projects

- Pacman Game Clone: Optimised JavaScript rendering for smooth 60 FPS gameplay.
 - Online Newspaper Website: Improved content load speed by 40% using PHP OOP.
 - Zoo Record Management System: Reduced query redundancy by 50%, contributing to distinction.
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Education

BSc Software Engineering, University of Northampton (2023–2026)

Key Modules: Software Engineering Fundamentals, Web Development, System Design, Python Programming, Database Design, Mobile Development.

Grades: First Class (1.0).

Achievements: High grades across analytical, programming, and system design modules