Timothy-Joseph Godwin

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Education

University of Birmingham, M.Eng Computer Science with Software Engineering — 2023 – Present

- Expected First Class Honours, Year 1 Average: 72%
- **Coursework:** Full Stack App Development, Object Oriented Programming, Data Structures, Software Engineering and Professional Practices, Functional Programming, Artificial Intelligence

Kaplan International College, Foundation Certificate in Science and Engineering — 2023

- Mathematics: 90%, Information Technology: 88%, Extended Project: 72%

British Spring College, International General Certificate of Secondary Education — 2016 – 2022

- English (A), Mathematics (A*), Biology (A*), Chemistry (A*), Physics (A*)
- SAT Score: 1390 (97th percentile), IELTS: 8.0/9.0

Technical Skills

Programming Languages: C, Python, Java, JavaScript, TypeScript, Haskell, PowerShell

Web Technologies: React, Angular, Spring Boot, HTML/CSS, Bootstrap, Express.js

Databases: PostgreSQL

Tools & Platforms: Git, GitHub, GitLab, Docker, Azure, VS Code, WSL, JHipster, Vercel

Development Practices: CI/CD, Version Control, Agile Methodologies, Test-Driven Development

Projects

Grocery Shopping App — github.com/Tee-UX19

- Developed shared grocery shopping application using React and Bootstrap frontend with Express.js backend
- Implemented RESTful API design and responsive user interface for cross-platform compatibility
- Utilized GitHub Actions for automated CI/CD pipeline and deployment workflows

Campus Events Web Application — github.com/Tee-UX19

- Collaborated with team to build event management platform using JHipster, Spring Boot, Angular, and PostgreSQL
- Developed user authentication system and event browsing functionality for university students
- Deployed application using Azure cloud services with Docker containerization

Network Firewall Program — 2024

- Built firewall application in C using networking and multithreading libraries
- Implemented rule-based connection filtering system for IP addresses and port ranges
- Applied advanced systems programming concepts for network security applications

Experience

Medical File Clerk, Obioma Specialist Hospital – Awka, Nigeria — Sept 2022 – Nov 2022

- Managed efficient retrieval and organization of patient medical records in high-volume healthcare environment
- Digitized over 100 paper medical records using Microsoft Excel, improving data accessibility and storage
- Maintained accurate patient file indexes and resolved filing discrepancies while ensuring compliance

Head Boy (Student Leadership Role), British Spring College – Awka, Nigeria — Oct 2021 – Aug 2022

- Led team of 21 prefects in collaborative school management and student welfare initiatives

- Coordinated and executed over 15 school activities and events, demonstrating project management skills
- Delivered presentations and announcements to audiences of 600+ students at assemblies and school events

Additional Information

Languages: English (Native), Igbo (Conversational), Spanish (Basic)

Professional Development: Self-directed learning through The Odin Project web development curriculum

Achievements: Silver medallist in state-level Physics and Mathematics Olympiads; Top 3 graduating student

Interests: Football, Singing, Language Learning, Web Development