Timothy-Joseph Godwin

Computer Science Student & Software Engineer

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EDUCATION

Master of Engineering in Computer Science with Software Engineering   2023–Present
University of Birmingham   Birmingham, UK

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

Foundation Certificate in Science and Engineering   2023
Kaplan International College   London, UK

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

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

- Results: 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   2024
Full Stack Web Application

- 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   2024
Team Development Project

- 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
Systems Programming

- 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   September 2022–November 2022
Obioma Specialist Hospital   Awka, Nigeria

- 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)   October 2021–August 2022
British Spring College   Awka, Nigeria

- 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