

Timothy-Joseph Godwin

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Education

University of Birmingham M.Eng Computer Science with Software Engineering GPA: 3.9/4.25 <ul style="list-style-type: none">Relevant Coursework: Full Stack App Development, Object Oriented Programming, Data Structures & Algorithms, Software Engineering and Professional Practices, Functional Programming, Artificial Intelligence	Sept 2023 – 2027 (Expected) Birmingham, UK
Kaplan International College, London Foundation Certificate in Science and Engineering Average: 85% <ul style="list-style-type: none">Relevant Coursework: Mathematics: 90%, Information Technology: 88%, Extended Project: 72%	Jan – June 2023 London, UK

Technical Skills

Programming Languages: Python, Java, JavaScript, TypeScript, C, Haskell, PowerShell
Data Analysis & ML: Pandas, Scikit-learn, PyTorch, Tableau, Data Visualization, Predictive Modeling
Web Technologies: React, Angular, Spring Boot, HTML/CSS, Bootstrap, Express.js
Databases & Tools: PostgreSQL, Git, GitHub, Docker, Azure, VS Code, WSL, JHipster, Vercel

Experience

Uptrail Data Analysis Intern/Trainee <ul style="list-style-type: none">Cleaned and analyzed over 300 customer sign-ups and 120+ support tickets using Pandas, uncovering acquisition trends, regional gaps, and plan preferences to inform targeted marketing strategies for SaaS and e-commerce clientsBuilt Scikit-learn logistic regression model on 1,494 streaming customers achieving 76.6% accuracy, identifying mobile usage and geographic patterns as key churn drivers for targeted retention strategiesDesigned interactive Tableau dashboard integrating 3 datasets (15,822 records) with 6 calculated KPIs, enabling executive strategic planning through geographic mapping and customer segmentation analysisAnalyzed 2,992 sales records across 499 customers to identify top loyalty tiers and delivery optimization opportunities (41% delay reduction potential) through 6 data visualizations and strategic analysis	July 2025 – Aug 2025 London, UK
Obioma Specialist Hospital Medical File Clerk <ul style="list-style-type: none">Managed efficient retrieval and organization of patient medical records in high-volume healthcare environmentDigitized over 100 paper medical records using Microsoft Excel, improving data accessibility and storageMaintained accurate patient file indexes and resolved filing discrepancies while ensuring compliance	Sept 2022 – Nov 2022 Awka, Nigeria

Projects

Campus Events Web Application <ul style="list-style-type: none">Developed a full-stack web application for university students to discover and review campus events and societies as part of a 7-member teamLed CI/CD pipeline implementation using Azure for deployment, Docker containerization, and GitHub Actions runnersEnhanced user experience by developing responsive design for mobile screen sizes and other accessibility featuresArchitected RESTful APIs with Spring Boot and resolved database migration issues using Liquibase	JHipster, Angular, PostgreSQL
Network Firewall Program <ul style="list-style-type: none">Architected multithreaded firewall server using pthreads with mutex synchronization, supporting concurrent client connections and dual-mode operation (interactive CLI and IPv6 network server)Implemented rule management system with linked-list data structures for Add/Delete/List/Check operations on IP range and port range filtering rulesEngineered advanced IP validation using inet_pton() and network byte order conversions, enabling precise IP range matching and connection acceptance/rejection decisions	C, Networking, Threading

Additional Information

Languages: English (Fluent), Igbo (Basic), Spanish (Learning)
Professional Development: Preparing for AWS Cloud Practitioner certification; self-directed learning on deep neural networks through Udemy; Learning web development through the Odin Project curriculum
Achievements: 2023/24 UG Outstanding Achievement Award (SRM Funded); Silver medallist in state-level Physics and Mathematics Olympiads; Top 3 graduating student & Best Student in Further Mathematics (British Spring College)