

Timothy-Joseph Godwin

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Education

University of Birmingham M.Eng Computer Science with Software Engineering (GPA: 3.9/4.25)	Sept 2023 – 2027 (Expected) <i>Birmingham, UK</i>
<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	
Kaplan International College, London Foundation Certificate in Science and Engineering	Jan – June 2023 <i>London, UK</i>
<ul style="list-style-type: none">• Cumulative Average: 83.33%• Relevant Coursework: Mathematics: 90%, Information Technology: 88%, Extended Project: 72%	

Technical Skills

Programming Languages: Python, Java, JavaScript, TypeScript, C, Haskell, PowerShell
Data Analysis & ML: Pandas, Scikit-learn, PyTorch, Tableau, Data Visualization, Statistical Analysis
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	July 2025 – Aug 2025 <i>London, UK</i>
<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 clients.• Built 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 strategies• Designed interactive Tableau dashboard integrating 3 datasets (15,822 records) with 6 calculated KPIs, enabling executive strategic planning through geographic mapping and customer segmentation analysis• Analyzed 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.	
Obioma Specialist Hospital Medical File Clerk	Sept 2022 – Nov 2022 <i>Awka, Nigeria</i>
<ul style="list-style-type: none">• 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	

Projects

Campus Events Web Application
<ul style="list-style-type: none">• Collaborated with a 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
<ul style="list-style-type: none">• 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

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)