

# Timothy-Joseph Godwin

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## Education

### University of Birmingham

M.Eng Computer Science with Software Engineering

Sept 2023 – 2027 (Expected)

Birmingham, UK

- **Cumulative GPA:** 3.9/4.25
- **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

London, UK

- **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

Remote

- 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 and deployed interactive Tableau dashboards integrating sales, customer, and product datasets with calculated KPIs for executive decision-making
- 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

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

## Projects

### Campus Events Web Application

[github.com/Tee-UX19](https://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

[github.com/Tee-UX19](https://github.com/Tee-UX19)

- 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)