

# Timothy-Joseph Godwin

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## Education

<b>University of Birmingham</b> M.Eng Computer Science with Software Engineering	Sept 2023 – 2027 (Expected) <i>Birmingham, UK</i>
<ul style="list-style-type: none"><li>• <b>Culmulative GPA:</b> 3.9/4.25</li><li>• <b>Relevant Coursework:</b> Full Stack App Development, Object Oriented Programming, Data Structures &amp; Algorithms, Software Engineering and Professional Practices, Functional Programming, Artificial Intelligence</li></ul>	
<b>Kaplan International College, London</b> Foundation Certificate in Science and Engineering	Jan – June 2023 <i>London, UK</i>
<ul style="list-style-type: none"><li>• <b>Culmulative Average:</b> 83.33%</li><li>• <b>Relevant Coursework:</b> Mathematics: 90%, Information Technology: 88%, Extended Project: 72%</li></ul>	

## 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

<b>Uptrail</b> Data Analysis Intern/Trainee	July 2025 – Aug 2025 <i>Remote</i>
<ul style="list-style-type: none"><li>• 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.</li><li>• 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</li><li>• 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</li><li>• 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.</li></ul>	
<b>Obioma Specialist Hospital</b> Medical File Clerk	Sept 2022 – Nov 2022 <i>Awka, Nigeria</i>
<ul style="list-style-type: none"><li>• Managed efficient retrieval and organization of patient medical records in high-volume healthcare environment</li><li>• Digitized over 100 paper medical records using Microsoft Excel, improving data accessibility and storage</li><li>• Maintained accurate patient file indexes and resolved filing discrepancies while ensuring compliance</li></ul>	

## Projects

<b>Campus Events Web Application</b>	<a href="https://github.com/Tee-UX19">github.com/Tee-UX19</a>
<ul style="list-style-type: none"><li>• Collaborated with team to build event management platform using JHipster, Spring Boot, Angular, and PostgreSQL</li><li>• Developed user authentication system and event browsing functionality for university students</li><li>• Deployed application using Azure cloud services with Docker containerization</li></ul>	
<b>Network Firewall Program</b>	<a href="https://github.com/Tee-UX19">github.com/Tee-UX19</a>
<ul style="list-style-type: none"><li>• Built firewall application in C using networking and multithreading libraries</li><li>• Implemented rule-based connection filtering system for IP addresses and port ranges</li><li>• Applied advanced systems programming concepts for network security applications</li></ul>	

## 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)