

Timothy-Joseph Godwin

London, UK | tj.godwin1904@gmail.com | +44 7961 585 772 | [LinkedIn](#) | [GitHub](#)

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 Average: 85%	Jan – June 2023 <i>London, UK</i>
<ul style="list-style-type: none">• 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, 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	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.	

Projects

Campus Events Web Application	<i>JHipster, Angular, PostgreSQL</i>
<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 team• Led CI/CD pipeline implementation using Azure for deployment, Docker containerization, and GitHub Actions runners• Enhanced user experience by developing responsive design for various screen sizes and other accessibility features• Architected RESTful APIs with Spring Boot and resolved database migration issues using Liquibase	
Network Firewall Program	<i>C, Networking, Threading</i>
<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 dynamic rule management system with linked-list data structures for Add/Delete/List/Check operations on IP range and port range filtering rules• Engineered advanced IP validation using <code>inet_pton()</code> and network byte order conversions, enabling precise IP range matching and connection acceptance/rejection decisions	

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)