

# Daniel Favour Oshidero

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## EDUCATION

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### Academic Qualifications

**Master of Science**, Applied Data Science — **University of Buckingham**

*In Progress.*

**Master of Science**, Computer Science — **University of Bath**

*Graduated with Distinction*

*Awarded the Global Leaders Scholarship for academic excellence and outstanding leadership.*

**Honours Bachelor of Science** — **University of Bath**

*Graduated with 2:1*

### Professional Qualifications

**Level 7 Certificate**, Digital and Technology Solutions Specialist

*In Progress.*

**Level 3 Diploma**, Networking and Cybersecurity

*Awarded by Gateway Qualifications*

## TECHNICAL SKILLS

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**Languages:** Python, C, C++, JavaScript (ES6+), HTML/CSS, SQL, Bash/Shell, VBA

**Frameworks:** React, React-Native, Node.js, SCSS (SASS), Pytorch, SpaCy, Scikit-learn, Flask

**Developer Tools:** Git, Docker, AWS, Jenkins, Jira, Bitbucket, Linux/Unix

**CAD/Analytics Tools:** PowerBI, Figma, Adobe (Photoshop, Illustrator, Indesign), Autodesk (AutoCAD, Revit, 3DS Max), Unreal Engine

**Certifications:** AWS Cloud Practitioner, Neo4j Certified Professional, The Complete 2023 Web Developer Bootcamp

## RELEVANT EXPERIENCE

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### Software Engineer

**Manchester, UK**

**ETAS (Bosch Automotive Service Solutions)**

*Sep. 2024 – Present*

- Contributed as member of **AI & Data team** developing diagnostic insight tools, leveraging a sequential pattern mining ML approach for next-likely vehicle component breakdown predictions, achieving roughly **60% accuracy** compared to actual data.
- Optimised AWS Lambda triggers through deployment of Python-based XML-to-JSON parser to replace legacy pipeline, capable of processing **130 million+ objects in under a day**, for higher efficiency integration into OpenSearch.
- Centralised knowledge of a large, undocumented Azure-based analytics software tool, documenting the full project scope to **ARC42** standard, and benefiting **10+ stakeholders** through updated maintainability and functionality where required.

### Graduate Data Analyst

**Wolverhampton, UK**

**KTC (Edibles) Ltd — Supplier & Manufacturer for Food & Oil**

*Jul. 2023 – Oct. 2023*

- Led the migration of Business Insight data to an automated SQL database, eliminating manual processes and streamlining data extraction and delivery by approximately **16 hours weekly**—freeing **4+ team members** for higher-value tasks.
- Enhanced Sales Dashboard through user interface and general feature development including: financial rebate adjustments, contract management, and VBA scripts for end-user input. Currently utilised by **80+ personnel**, with controlled user access. **93% reported visible improvements** in data management and reporting capabilities through measured surveys.
- Optimised data organisation by conducting data modeling, clearing anomalies and duplicates to enhance data quality, and undertaking the creation of a data dictionary for the implementation of a company-wide data lake.

### Data Science Intern

**Remote, UK**

**Datern — Data Consultancy & Training Services**

*Jun. 2023 – Jul. 2023*

- Improved data efficiency and accuracy using SQL, Power BI, and Python for strategic insights and accurate predictions through advanced web-scraping and machine learning.

## PROJECTS

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**Early-stage Carbon Observer (ECO)** | Python (Scikit-learn, spaCy, NLTK), Flask, Docker, React.js

- ML-based tool to predict embodied carbon from architectural design descriptions during early-stage design processes through an NLP ⇒ Histogram-based Gradient Boosting (HGB) pipeline, scoring **85 on the System Usability Scale (SUS)**.
- Utilised semantic analysis and named entity recognition (NER) to convert unstructured text into structured features, achieving **100% precision in ranking** buildings by carbon impact in test scenarios (despite lower "exact scoring" accuracy).
- Integrated NLP libraries such as Hugging Face Transformers, spaCy, and NLTK for feature extraction and data preprocessing.

**Bloom: Gamified Plant Learning Application** | JavaScript, React, React-Native

- Led an Agile team of 7 in bi-weekly sprints to develop "Bloom": a cross-platform mobile application combining entertainment with interactive plant-care learning. Tested on **12+ devices** without major issues.
- Leveraged weekly end-user feedback loops, achieving an **80% measured increase in satisfaction scores** through user-driven improvements in feature clarity and overall UX.
- Achieved **60% next-day user retention** through gamified quizzes, achievements, and timed care reminders for goal tracking.