

## Josh Le Grice – MSc Data Science Student

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### PROFESSIONAL PROFILE

Ambitious and detail-oriented MSc Data Science student, with an IBM Data Science certification and hands-on industry experience. I excel in fast-paced environments where I can apply advanced analytics and machine learning to deliver actionable insights and measurable business improvements. Eager to contribute to data-driven roles, leveraging my technical expertise, analytical mindset, and commitment to continuous growth to create impactful, real-world solutions.

### EDUCATION

#### MSc Data Science | University of Exeter

Sep 2025 – Sep 2026

- Modules:** Research Project, Introduction to Data Science, Learning from Data, Data Systems, Programming with Python, Machine Learning, Deep Learning, Large Language Models and Applications, Data Governance and Ethics

#### BSc Sports and Exercise Medical Science | University of Exeter | *First Class Honours*

Sep 2022 – Jun 2025

- Relevant Modules:** Applied Data Science (75%), Data Science in Economics (79%), Experimental Design and Statistics (75%), Foundations of Biomechanics (75%), Biomechanics and Kinesiology (86%) and Biomechanics of Human Movement (72%)
- Dissertation:** The Intersection of Machine Learning and Type 1 Diabetes: A Critical Analysis of Machine Learning-Driven Innovations.

#### A Levels | Tanglin Trust School | Computer Science (A\*), Biology (A\*), Physical Education (A\*)

Sep 2020 – Jul 2022

#### GCSEs | Tanglin Trust School | 11 GCSEs: 7 at A\*, 4 at A

Sep 2018 – Jul 2020

### PROFESSIONAL EXPERIENCE

#### Consultant Data Engineer | University of Exeter Students' Guild

Nov 2025 – Present

- Developing a plan and prototype for a new automated data infrastructure to modernise the Guild's current data processes.
- Researching and outlining a scalable Azure data architecture to support improved reporting and future AI and CRM integration.

#### Data Science Intern | Ekimetrics

Jun 2025 – Aug 2025

- Applied advanced data science techniques and marketing mix modelling (MMM) to optimise marketing spend and drive business performance for retail, automotive, and financial services clients.
- Analysed large datasets to identify actionable insights, supporting data-driven decision-making and ROI improvements.

#### Academic Tutor | MyTutor

Jan 2025 - Present

- Deliver personalised GCSE and A-Level tutoring in computer science and various sciences via MyTutor, designing lessons and adapting methods to improve student outcomes.

### CERTIFICATIONS

#### IBM Data Science Professional Certificate

- Certified by IBM in data science fundamentals for data manipulation and visual storytelling.
- Experience building and deploying a variety of machine learning models.
- Skilled in SQL for querying, data wrangling and database management.

### PROJECTS

#### Portfolio LLM | Python, App Design

- Developed an interactive LLM-powered application that indexes my CV and project documents, enabling semantic search and natural language Q&A.

#### Commercial KPI Dashboard | Python, App Design, PowerBI

- Built a web-based KPI dashboard during my internship at Ekimetrics.
- Developed a semi-automated reporting pipeline - from raw data ingestion and cleaning to interactive Power BI dashboards - reducing manual effort and improving decision-making efficiency for commercial teams.

#### Credit Risk Analysis Blog Post | Python, Quarto, HTML

- Conducted credit risk analysis using Python and Quarto, applying logistic regression, random forest, and XGBoost (92.8% accuracy) models to evaluate defaults, model fairness, and estimate causal treatment effects.

#### Diabetes Prediction and Machine Learning Analysis | Python/R

- Created a project on predicting diabetes and determining the most important factors using machine learning through three models. Achieving a 79% accuracy rate.

### ACTIVITIES

- University of Exeter Touch Rugby 1<sup>st</sup> Team** (UOETRC) - BUCS Champions 2025

Sep 2024 – Present

- South West Saxons Touch Training Squad**

Sep 2024 – Present

- University of Exeter High Performance Rugby Union**

Sep 2022 – Sept 2024

### SKILLS

#### Technical Skills

- Python (Pandas, Numpy, Matplotlib, Sklearn, Pytorch, TensorFlow), Spark, R, SQL, HTML, JavaScript, Git, Azure Cloud, GCP, Databricks, VSCode, PowerBI & Microsoft Office

#### Core Skills

- Problem Solving, Communication, Teamwork, Scientific Writing, Critical Analysis, Time Management, Attention to Detail