

Mikey Guinness

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Passionate data analyst, engineer and statistician with experience working on complex project pipelines in SQL, Python and Power BI. View my portfolio & blog at mikeyguinness.com

EDUCATION

MMath Mathematics

University of Sheffield

2022-2026

2.1 (Upper Second Class)

A-Levels

King Egbert School (Sheffield)

Mathematics, Physics, Further Mathematics

A* A* A*

KEY SKILLS & STUDY

UNIVERSITY MODULES: Data Science, Machine Learning, Bayesian Statistics, Sampling Theory, Statistical Modelling, Medical Statistics, Financial Mathematics, Scientific Computing.

IT: Microsoft Office (ECDL Distinction*), Power BI, Python, R, SQL, AI and Machine Learning.

INDUSTRY RELEVANT PROJECTS

More projects, write-ups and code available on my portfolio at mikeyguinness.com.

- **NHS South Yorkshire GP Access & Deprivation Analysis:** SQL and Python pipeline combining four NHS/government datasets across 169 practices. Used Spearman's correlation to identify a significant link between deprivation and missed appointments; built an interactive Power BI dashboard to present findings.
- **Exoplanet Detection Data Analysis:** Cleaned and analysed a real-world astronomical dataset using pandas, building custom aggregated dataframes to rank detection facilities and independently investigate anomalous detection patterns.
- **MNIST Digit Classification:** Designed and benchmarked six machine learning and deep learning models (including CNNs) for digit classification, evaluating accuracy, run-time and failure cases to identify the best-performing approach.

EMPLOYMENT HISTORY & POSITIONS OF RESPONSIBILITY

Warehouse Operator *Educational Planning Books LTD, Derbyshire. May 2022 - Present*

- Tracked and prioritised order data across 15,000+ schools and 50+ countries to meet deadlines.
- Identified process inefficiencies under pressure, improving daily throughput and accuracy.
- Collaborated cross-functionally to maintain consistent service standards at scale.

Committee President *University of Sheffield American Football. 2023-2026*

- 3 years on executive committee as President, Inclusions Officer and Treasurer.
- Managed a £30,000+ annual budget, negotiating sponsorships and balancing all outgoings.
- Grew membership from under 35 to 70+, leading the club to multiple regional awards.

AWARDS & ACHIEVEMENTS

University of Sheffield American Football

Yorkshire Universities Great Club Award (24/25)

Sheffield University Club of the Year (24/25)

Sheffield University Volunteering Award (24/25)

Sheffield University Digital Impact Award (25/26)

Other Personal Achievements

UDUK National Champion (25/26)

UoS Outstanding Contribution to Sport (25/26)

Cayley Olympiad Qualification (19/20)

UKMT Sen. Math. Challenge - Gold (21/22)