

Thomas Johnson

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Motivated individual who recently graduated with a master's degree in physics. I possess strong coding skills, most notably in Python and SQL, which were developed during my time in both work and education.

WORK HISTORY

Software/Data Engineer | VLDB Solutions | July – September 2022, July 2023 – present

Achievements

- R&D of products using Python and SQL e.g., Teradata data warehouse health checker
- Client engagements (ETL pipelines, DB management)
- Produced blog content i.e., article demonstrating the use of MADlib to apply machine learning algorithms to data hosted on massively parallel processing platforms

QUALIFICATIONS

- Microsoft Azure Fundamentals (AZ-900) *July 2023*
- Microsoft Azure Data Fundamentals (DP-900) *August 2023*

EDUCATION

MPhys Physics (First Class) | University of Liverpool | September 2019 – May 2023

Skills gained

- Advanced mathematics (e.g., calculus, tensors, statistics)
- Data modelling & machine learning
- Critical thinking
- Problem solving
- Teamwork

Key achievements

- 'Oliver Lodge' prize for best honours average in fourth year physics at the University of Liverpool

- Dissertation included the analysis of data relating to the upgraded LHCb experiment at CERN, using a Python framework, and was awarded a first-class mark

A Levels | Wirral Grammar School for Boys | September 2017 – June 2019

Mathematics (A), Physics (A), Computer Science (B)

GCSEs | Wirral Grammar School for Boys | September 2012 – June 2017

11 GCSEs grade A*-B, English (7), Maths (7)

SKILLS

- Languages: Python, SQL, PHP, Bash, HTML/CSS
- Libraries: NumPy, Pandas, Matplotlib, scikit-learn, MADlib
- Databases: MySQL, PostgreSQL, Greenplum, Teradata
- Tools: Jupyter, Tableau, MS Excel & Word, GitHub, Bitwarden, DBeaver, Docker, PSQL, Sublime, VS Code, Azure, Teams, Slack
- Operating systems: Linux, MacOS, Windows

HOBBIES AND INTERESTS

- Playing guitar – Liverpool battle of the bands 2017 finalist
- Active club tennis player
- Keen skier (and wannabe snowboarder!)