

# Jude Everitt

## Curriculum Vitae

### EDUCATION

Masters in Physics - University of York 09/2018 - 01/2023

- Collaborated with a scientific campaign at GSI Helmholtz and R3B to research a new particle detector and report on the functionality, results, scientific background and application of the research.
- On a Linux virtual desktop I created custom C++ scripts to gain-match and apply statistical analysis techniques on data trees containing energy loss data on >10,000 of particle collisions for detector calibration to reduce error by factor of 2 and increase detector resolution by 7% for particle identification..
- Conducted different practical experiments to investigate problems and scientific laws, keeping a full chronological and contemporaneous record of scientific approach, results and analysis.
- Solved a high volume of challenging assignments more akin to the real world that can't solely be solved from rote learning under short-timed pressure.

Cloud Engineering - AiCore Bootcamp 01/2024 - 03/2024

<https://github.com/Jude-Everitt/Azure-Database-Migration.git>

- Migrated a production environment SQL Server database containing 5 tables to Azure SQL Database.
- Generated full backup of the production database & restored the database in a new development environment to allow safe testing & experimentation.
- Automated database backups in development environment using SQL Server Management Studio (SSMS).
- Built a discovery recovery solution for the Azure SQL Database, increasing database availability from an initial 99.5% to >99.99%.
- Integrated Microsoft Entra ID authentication with Azure SQL Database to create two identity management groups: administrators and read-only clients.

Software Engineering - AiCore Bootcamp 10/2023 - 12/2023

<https://github.com/Jude-Everitt/multinational-retail-data-centralisation377.git>

- Developed a system that extracts sales data from 5 data sources: PDF documents, AWS RDS database, RESTful API, JSON & CSV files.
- Constructed custom Python scripts to clean and transform over 120k rows of data, before loading the data into a PostgreSQL database.
- Designed a star-schema database by joining 5 dimensions tables, resulting in data querying time with < 1 millisecond latency.
- Wrote >10 complex SQL queries to extract business insights from the data, including velocity of sales, yearly revenue and regions with the most sales.

### WORK EXPERIENCE

Youth Support Worker - Care Focus 12/2022 – 05/2023

- Delivered 1:1 support, guidance and safeguarding to a diverse group of at risk youth, helping develop essential life skills.
- Collaborated with a multidisciplinary team of professionals to develop and implement personalized 3 month support plans and therapeutic workshops
- Wrote detailed reports on evaluations, crisis interventions and safeguarding incidents.
- Led a team of 3-4 and acted as a mentor for new staff, teaching policies and procedures providing support with the role and well-being.

### CONTACT

- Bury St Edmunds, Suffolk (Open to Relocate and Remote)
- +44-7864-000-288
- everittjude@gmail.com
- [jude-everitt.github.io](https://jude-everitt.github.io)
- [linkedin.com/in/jude-everitt](https://linkedin.com/in/jude-everitt)
- [github.com/Jude-Everitt](https://github.com/Jude-Everitt)

### CERTIFICATIONS

- AiCore
- Cloud Engineering
  - Software Engineering

- University Of York
- Intermediate Python Programming

### SKILLS

- Technical Skills:
- Python
  - SQL (PostgreSQL & SQL Server)
  - Azure Data Studio
  - SQL Server Management Studio
  - AWS
  - git
  - ROOT (written in C++)
  - LabView
  - Microsoft Azure

### INTERESTS

- Skateboarding
- Bouldering
- Art
- Sudoku
- Chess
- Golf
- Film