

George Scannell

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Professional Profile

University of Liverpool physics graduate with 2+ years of experience in data-related roles, including analysis, processing, and reporting. Proficient in programming languages such as Python and JavaScript. Proven ability to adapt quickly, learn new concepts efficiently, and deliver high-quality results in both independent and collaborative environments. Strong interest in applying this experience to solve real-world problems and add value as part of a data-driven team.

Education & Qualifications

- **University of Liverpool (2019 – 2022)**
 - **Physics BSc (Hons) – First (86%)**
- **Shenfield Sixth Form (2017 – 2019)**
 - **A Levels in Physics, Maths, Economics**

Experience

- **AI Trainer/Prompt Engineer – DataAnnotation** **Jan 2024 – Present**
 - Developed prompts from scratch to train LLMs across various expert domains, including programming, mathematics, and problem-solving.
 - Annotated and edited model responses to ensure accuracy, clarity, and alignment with prompt instructions.
 - Worked with a variety of domain-specific prompt types, including data analysis/visualisation, numerical modelling, mathematical problem-solving, and code bug-fixing.
 - Communicated with team members and leaders to refine prompting strategies, ensure consistency in annotations, and maintain the quality of collected data for clients.
- **Data Technician - Cable Tracing Services Ltd. (Surveying)** **Apr 2023 – Dec 2023**
 - Processed and manipulated laser scan/survey data for integration into CAD software.
 - Created detailed AutoCAD drawings using collected data to better visualise client projects.
 - Analysed survey data and organised key findings into comprehensive reports.
- **Service Assistant – Sainsbury's Plc.** **Sep 2018 – May 2019**
 - Operated tills and recorded balances at the end of each shift to ensure accuracy of cash handling.
 - Managed deliveries and organised goods in the shop warehouse.
 - Distributed warehouse stock to the shop floor to maintain availability of goods.

Projects

Personal Website - georgescannell.com

Jan 2024 – Current

Developed a personal website using HTML, CSS, and JavaScript to showcase personal projects. The site also shows aspects of my personal life, such as notable pictures I have taken, as well as my favourite musical artists and films.

Outline

Designed and implemented a numerical simulation to model the dynamic gravitational movement of the bars within a double-barred spiral galaxy.

The Project

- Independently developed a complex Python simulation, aided by in-depth research of numerical modelling techniques as well as the overall subject matter.
- Delivered a 15-minute presentation with Q&A to academic staff and students, detailing the project progress and outlining next steps.
- Submitted a 15,000-word paper to serve as the project report.
- Managed a one-semester timeline with careful planning and time management, balancing the demands of this intensive project, a group project, and other exam/coursework-based modules.
- Observed novel behaviours in double-bar systems, including exponential increases in bar oscillation amplitudes when the bars are initialised at similar sizes.

Key achievements

- Achieved the highest final year project mark in my academic year.
- Currently in the process of publishing the findings of the project as a paper in the Monthly Notices of the Royal Astronomical Society (MNRAS peer-reviewed journal).

Awards and Achievements

- **William Lassell Prize (2022) – University of Liverpool**
 - Awarded for achieving the highest overall grade in Physics with Astronomy within my graduating cohort.
- **UKMT Mathematical Challenge (2016) – St Martin's School**
 - Scored first out of approximately 250 students in my year.