

# Alex Evetts

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PROFESSIONAL SUMMARY      Data professional with a PhD in Mathematics and experience spanning advanced research, AI model training (LLMs), and applied analytics across financial services and utilities. Combining rigorous problem-solving with practical delivery of data-driven insight, including improving data quality, automating processes, and supporting high-stakes decision-making.

KEY ACHIEVEMENTS      

- Contributing to LLM training for leading AI labs via RLHF programmes.
- Secured £200k+ in research funding through competitive proposals.
- Delivered classified mathematical research supporting UK intelligence objectives.
- Finalist: The Data Lab Data Visualisation Competition.
- Presented at over 30 conferences and seminars, including 20 as an invited speaker.
- Published 10 peer-reviewed papers and presented internationally.

CORE SKILLS AND TOOLS      

- **Analytics & BI:** SQL and relational databases, Excel/VBA, Python (Pandas, Seaborn), PowerBI, Streamlit.
- **Data quality & controls:** validation, root-cause analysis, process improvement.
- **Insight & Storytelling:** clear narratives, data visualisation, actionable recommendations, engaging presentations.
- **Problem-solving:** breaking down complex problems, structured reasoning.
- **Communication:** explaining complex findings clearly for non-technical audiences; producing concise, well-structured documentation.
- **Mathematical programming:** Python, Sage, MAGMA, Maple

INDUSTRY EXPERIENCE      **Independent Contractor** **April 2025 - present**  
DataAnnotation.tech; Mercor Intelligence

- Participating in Reinforcement Learning with Human Feedback (RLHF) training of LLMs on research-level mathematics.
- Designing mathematically challenging test cases to evaluate LLM responses, helping train models at top AI labs to handle complex problems.
- Designing and critiquing training rubrics for mathematical reasoning, ensuring research-level standards of rigour and precision.
- Identifying and clearly explaining model errors, producing structured reports to guide model improvement.

**Mathematical Consultant** **October 2021 - November 2024**  
Heilbronn Institute for Mathematical Research, Manchester

- Conducted classified research aligned to GCHQ's long-term strategic interests.
- Delivered evidence-backed findings on high-impact mathematical problems to the UK Intelligence Community.
- Designed and implemented algorithms to solve real-world challenges, combining computational and theoretical techniques (using Python, Sage, MAGMA).
- Translated technical mathematical findings into clear, accessible reports for senior non-specialist stakeholders.

**Non-household Revenues Advisor**                      **September 2015 - September 2016**  
Scottish Water, Edinburgh

- Analysed datasets from multiple sources (GIS, field reports, web portals) to identify revenue opportunities and support regulatory compliance.
- Turned analysis into action by briefing field engineers and following through to successful resolution.
- Automated data ingestion and processing using Excel and VBA, reducing manual effort and improve accuracy.

**Proposition Operations Analyst**                      **January 2012 - September 2014**  
Standard Life Assurance Company, Edinburgh

- Managed and interrogated relational databases underpinning pensions and investment products, ensuring accurate and compliant customer calculation.
- Developed and optimised SQL queries to detect and correct inaccuracies, adhering to tight timescales reflecting high reputational and regulatory impact.
- Analysed large datasets and translated findings into actionable insights, contributing to process improvements and risk mitigation.
- Analysed problems within multi-system workflows and implemented solutions.
- Built strong working relationships with internal stakeholders, providing clear, pragmatic support across technical and non-technical teams.

**Financial Crime Administrator**                      **June - December 2011**  
Standard Life Assurance Company, Edinburgh

- Investigated PEP-related risks by combining internal and external data, delivering clear findings to senior management.
- Performed UAT on automation tools, supporting process improvement.

RESEARCH  
EXPERIENCE

**Heilbronn Fellow in Mathematics**                      **October 2021 - September 2024**  
University of Manchester

- Conducted advanced mathematical research, individually and in collaboration with international research teams across Europe and the US.
- Produced clear written publications, talks, and lecture courses, communicating complex ideas to specialist and non-specialist audiences.
- Led workshops fostering international collaboration and knowledge sharing.
- Extensive experience of teaching, tutoring, and presenting technical material clearly.

**Postdoctoral Research Associate**                      **June - September 2021**  
Heriot-Watt University, Edinburgh

**Junior Research Fellow**                                      **October 2020 - April 2021**  
Erwin Schrödinger Institute, Vienna

**LMS Early Career Research Fellow**                      **June - September 2020**  
Newcastle University

EDUCATION

**PhD Mathematics**    **September 2016 - June 2020**  
**Heriot-Watt University**  
Thesis: Aspects of Growth in Finitely Generated Groups

**MSc Mathematics (Distinction)**                      **September 2014 - September 2015**  
**University of Glasgow**

**BSc Hons Mathematics (First Class)**                      **September 2007 - June 2011**  
**University of Edinburgh**