

DAVID LEVY

davidlevy820@gmail.com | +44 7481 606063 | [LinkedIn](#)

EDUCATION

University of Edinburgh <i>BEng (Hons) Electronics & Computer Science</i>	<i>Sep 2022 – Jun 2026 (Expected)</i> <i>Edinburgh, UK</i>
<ul style="list-style-type: none">Dissertation: Bayesian Teaching for Persistent User Modelling in LLMs – extending DeepMind's Bayesian teaching framework to infer Big Five personality traits via fine-tuned Llama models across 3,125 synthetic users.Relevant Courses: Machine Learning, Algorithms & Data Structures, Probability & Statistics, Linear Algebra, Signal Processing, Distributed Computing.	

EXPERIENCE

Bloomberg LP <i>Data Management Professional</i>	<i>Jun – Aug 2025</i> <i>London, UK</i>
<ul style="list-style-type: none">Engineered automated data pipelines in Python and Apache Spark to integrate multiple internal sources, reducing processing time by 98% and enabling faster daily reporting across the London office.Implemented anomaly detection and reconciliation logic across large-scale financial datasets, improving data quality for London-wide decision-making.	
The Full Spectrum (HealthTech Startup) <i>Operations Manager</i>	<i>Jul 2024 – Mar 2025</i> <i>Cape Town, South Africa</i>
<ul style="list-style-type: none">Drove product development and user research for a healthtech platform supporting parents of autistic children; conducted user interviews and iterative prototyping to refine core features.Crafted go-to-market strategy including user outreach campaigns and investor pitch materials, gaining end-to-end startup lifecycle exposure.	
Solenya <i>Paid Researcher</i>	<i>Jun 2024</i> <i>Cape Town, South Africa</i>
<ul style="list-style-type: none">Investigated zero-shot recommendation systems (ZSRS), boosting new-user recommendation accuracy by 15%; synthesised findings into actionable technical reports.	
Addionics <i>Data Analyst</i>	<i>Jul – Aug 2023</i>
<ul style="list-style-type: none">Automated data collection, cleaning, and visualisation of battery test results in Python, streamlining reporting for R&D decision-making.	

PROJECTS

Bayesian Teaching for LLM Personalisation	<i>2025</i>
<ul style="list-style-type: none">Extended Google DeepMind's Bayesian teaching framework (Qiu et al.) from task-specific preferences to personality trait inference using the Big Five model.Architected a three-stage pipeline: synthetic user generation, GRM-based questionnaire simulation, and Bayesian teacher trace construction across 3,125 user profiles.Fine-tuned Llama models using LoRA, achieving 51% accuracy matching Bayesian oracle performance for personality trait prediction.	

LEADERSHIP

Edinburgh AI Society (edinburghai.org) <i>Funding Lead</i>	<i>Jan 2023 – Present</i>
<ul style="list-style-type: none">Scaled society from 30 to 400+ members; secured sponsorships from leading AI companies including Anthropic, managing the full funding pipeline.Organised technical talks and industry networking events with 100+ attendees per session.	

SKILLS

Languages: Python, Java, C, Haskell, SQL

ML & Data: PyTorch, Hugging Face Transformers, Pandas, NumPy, Scikit-learn, MATLAB

Infrastructure: Apache Spark, AWS, Git, Linux

Methods: Bayesian inference, deep learning, NLP, distributed computing, statistical analysis