

William Winterflood

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Education

University of Leeds, MEng BSc in Computer Science and Artificial Intelligence September 2023 – June 2027

- Key Modules: Artificial Intelligence (85%), Software Engineering Team Project (85%), Numerical Computation (80%), Web Application (85%)

Relevant Experience

Technology Intern, CCData July 2024

- Collaborated with the Chief Product Officer to identify data quality issues and propose product improvements, enhancing the accuracy of digital asset datasets used by financial institutions.
- Designed analytical dashboards to monitor data reliability KPIs, improving visibility of user-facing product performance.
- Gained hands-on exposure to product lifecycle management in a fintech environment.

Junior Software Developer, Rebuilding Society June 2025 – September 2025

- Contributed to smart contract architecture and backend systems for insurance products, improving transparency and scalability
- Enhanced both backend (Node.js and TypeScript) and frontend (React.js) features in an AGILE environment, collaborating with designers and product leads to improve user experience and reliability.
- Delivered a feature usage report that guided product prioritisation for subsequent release cycles.

Prompt Engineer (Part-Time), Outlier AI December 2024 – Present

- Design, refine and test prompt templates to improve model reasoning and contribute to the development for LLMs.
- Provide structured feedback on model outputs and assist in building datasets that enhance alignment, safety, and performance of generative AI systems.

Maths Tutor October 2022 – January 2023

- Delivered tutoring sessions with A-Level Maths students in after school sessions.
- Strengthened communication and mentoring skills through personalised teaching strategies.

Projects

AI-Driven Feature Prioritisation Tool github.com/name/repo

- Developed a web application that uses machine learning to analyse user feedback product features by potential impact.
- Integrated Sci-kit learn (Python) for sentiment analysis and a React dashboard for visualisation.
- Applied some product management skills including defining an MVP scope, measuring adoption metrics and iterating based on simulated A/B results.

AI-Enhanced Cybersecurity Threat Detector github.com/name/repo

- Developed a web application that uses machine learning to analyse user feedback product features by potential impact.
- Integrated Sci-kit learn (Python) for sentiment analysis and a React dashboard for visualisation.
- Applied some product management skills including defining an MVP scope, measuring adoption metrics and iterating based on simulated A/B results.

Procedural Dialogue generation in Games using Generative AI (ongoing) github.com/name/repo

- Investigating how generative AI can be constrained to produce context-aware, coherent dialogue within interactive game environments.

Achievements

Leeds Hackathon 2025, National Competition Winner February 2025

- Built a P2P insurance prototype, leveraging blockchain to automate claims management, in 24 hours.
- Worked in a team of 4 and won against 80+ other talented participants.

Technologies

Languages: C++, C, Java, C#, SQL, JavaScript, OpenGL, MATLAB, Python and SQL