Anton May

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Final-year Oxford engineer who easily gets engrossed in an exciting new problem. I place care towards evaluating poorly defined failure modes so I can build reliable and safe non-deterministic end-to-end systems.

WORK EXPERIENCE

Software Engineer - Big Data Institute, Oxford — Jun 2025 - Oct 2025
- Revamped **AIDA-3D**, a 3D medical image viewer, from a 3-year-old untouched demo into a useful tool for arbitrary web-hosted data aligned with the OME-Zarr v0.5 spec
- Reverse-engineered undocumented data pipelines with no external guidance
- The project group are seeking £2M grant funding, with reference to how the work I'm doing in my 4th year project could be integrated into AIDA-3D to make it a text-searchable 3D image database.

Software Development Intern - Valor Carbon — Aug 2025 - Sep 2025
- Built an automated document generation tool using LLMs and RAG; deployed securely on Oracle Cloud
- Learned that with agentic systems, it's best to focus on practical automation over forced implementation

LLM Performance Evaluator - Outlier — Dec 2024 - Apr 2025
- Evaluated LLM outputs for accuracy and clarity; provided feedback for C++ and mathematical reasoning

Academical Clerk - New College, Oxford — Oct 2022 - present
- Performing daily as a professional singer in a globally renowned choir alongside my studies.

PROJECTS

(4YP) Analysing radiology reports using large language models — Oct 2025 - present
My final year project. Building a tool to automatically label radiology reports using a fine-tuned local LLM, unlocking a huge untapped resource of training data for medical imaging models. Designing a checking system to filter errored labels and benchmarking against state-of-the-art approaches.

ThirdEye - Navigation for the Visually Impaired — Nov 2025 - present
A discreet IoT wearable (baseball cap) which connects to a mobile companion app to create stereoscopic depth maps, perform YOLO object recognition, and call GPT-4-mini to build a rich understanding of the user's environment. We've just finished our second prototype and submitted to Microsoft Imagine Cup.

Exammer - Cofounder — Sep 2025 - present
The verified knowledge portfolio for the post-AI world (exammer.co.uk). A platform where anyone can get credit for what they study, featuring a phone-call style AI interviewer with an interactive whiteboard which marks you as you go, and RAG lookup on conversations to prove a user's subject-specific work to employers.

Quantext - Quantum Dice Competition Winner — Nov 2025
A QUBO-based RAG algorithm addressing a known flaw in LLM context retrieval on massive, cluttered datasets. Built for Quantum Dice's ORBIT quantum compute platform. Won £1000; only undergrads in top 3.

Intelligent Musical Lighting System - Project Leader — Oct 2024 - May 2025
Led a 4-person team building an AI system for automated concert lighting based on musical feature analysis.

EDUCATION

MEng Engineering Science, University of Oxford (predicted 2:1) — Oct 2022 - Jul 2026
- 83% in Engineering Computation (3rd highest in year) - programming project creating a tool to detect the tempo of a piece of music, and comparing its performance to an equivalent LLM-written tool.

SKILLS

Languages	Python, JavaScript/TypeScript, C++, Rust, MATLAB
ML/AI	PyTorch, OpenCV, RAG systems, local LLMs, MCPs for agentic AI
Web & Infrastructure	Azure, Oracle Cloud, Google Cloud, CI/CD, distributed systems
Other	Git, 3D graphics, medical imaging, IoT, quantum computing