Anton May

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Summary

Software engineer with experience developing 3D medical imaging tools, RAG-based AI systems, and web applications. Strong technical background in ML, signal processing, and full-stack development (Next.js, Three.js, Python, C++). Proven ability to work on small teams, having recently completed internships at AIDA-3D and Valor Carbon where I built production tools and gained expertise in cloud hosting and agentic AI systems.

Work Experience

Software Development Intern - AIDA-3D Jun 2025 - Sep 2025

- Developed an interactive 3D viewer and annotation tool for multi-layer medical images to align with the OME-Zarr v0.5 specification
- Gained skills in web development with Next.js, Three.js and building my own marching cubes algorithm
- Interpreted complex and poorly documented data pipelines, and was introduced to Rust

Software Engineer Intern - Valor Carbon Aug 2025 - Sep 2025

- Designed and created a tool to automatically fill in project design documents using RAG systems for LLMs
- Gained experience with web hosting via Oracle Cloud and making a secure app which handles multiple users' data
- Built agentic AI systems and reflected on how to actually make a useful tool rather than forcing automation where unnecessary

LLM Performance Evaluator - Outlier 2024 - present

- Analysing the outputs of LLMs in response to technical prompts, for correctness, relevance, and clarity
- Suggesting improvements and corrections to outputs in software (C++) and mathematics domains

Projects

Analysing radiology reports using large language models Sep 2025 - present

4th year solo engineering project focusing on specialised local LLMs in agentic fact-checking and info-filling systems to sort reports and flag inaccuracies. Combines ML with healthcare applications for automated quality assurance in medical reporting.

Intelligent Musical Lighting System - Project Leader Oct 2024 - present

Leading a team of 4 to explore solutions for fully automating live concert lighting through a real-time AI interpreter that tracks musical features to determine mood and section changes.

Samsung Solve For Tomorrow - Finalist Jan - Jul 2022

Team of 4 designing smart glasses for people with hearing impairment, involving IoT, AI speech recognition, and ergonomics. Made final 5 teams, pitching design and business plan to 5 Samsung UK executives.

Education

2022 - 2026 **MEng Engineering Science (4th year), New College, University of Oxford** (Predicted 2:1)
83% in Engineering Computation (highest marks in year), modules include Machine Learning, Software Engineering, Control Systems

2015 - 2022 **Wilson's School, Sutton** A* in Further Maths, Maths, Physics, and Music

Publications

Skills

Programming	Python, C++, JavaScript/TypeScript, Rust, MATLAB
Web Development	Next.js, Three.js, React, Oracle Cloud, secure multi-user applications
AI & Machine Learning	LLMs, RAG systems, agentic AI, signal processing, computer vision
Specialized	3D graphics, medical imaging (OME-Zarr), IoT development, data structures & algorithms