

# Anton May

 ehtbantton |  antonpmay |  anton.may@new.ox.ac.uk |  +44 7849 262611

## WORK EXPERIENCE

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**Software Development Intern - Big Data Institute, Oxford** Jun 2025 - present

- Developed interactive 3D medical image viewer with annotation tools for OME-Zarr v0.5 specification
- Built custom marching cubes algorithm and created a robust 3D viewer from scratch in three.js
- Reverse-engineered complex, poorly documented data pipelines and created a useful, usable tool
- I continue to maintain and improve this software in my spare time - try out the latest demo

**Software Engineer Intern - Valor Carbon** Aug 2025 - Sep 2025

- Designed automated document generation tool using RAG-enhanced LLMs for project specifications
- Implemented secure multi-user application with Oracle Cloud hosting
- Developed agentic AI systems with focus on practical automation over forced implementation

**LLM Performance Evaluator - Outlier** Dec 2024 - Apr 2025

- Evaluate LLM outputs for accuracy, relevance, and clarity across software and mathematics domains
- Provide detailed feedback and corrections for C++ programming and mathematical reasoning tasks

**Academical Clerk - New College, Oxford** Oct 2022 - present

- Performing daily alongside my studies as a professional singer in a globally renowned choir

## PROJECTS

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**Analysing radiology reports using large language models** Sep 2025 - present

Solo engineering project developing specialized LLMs for automated medical report validation and information extraction, combining machine learning with healthcare quality assurance systems.

**Intelligent Musical Lighting System - Project Leader** Oct 2024 - May 2025

Leading 4-person team developing real-time AI system for automated concert lighting based on musical feature analysis and mood detection.

**Samsung Solve For Tomorrow - Finalist** Jan 2022 - Jul 2022

Designed IoT-enabled smart glasses with AI speech recognition for hearing-impaired users. Advanced to final 5 teams, presenting to Samsung UK executives.

## EDUCATION

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**MEng Engineering Science, University of Oxford (predicted 2:1)** Oct 2022 - Jul 2026

- 83% in Engineering Computation mini-project (3rd highest in year). I designed an audio-based tempo detection system and a quantitative benchmark to compare my implementation with an AI-generated one.
- 4th year focus: computer vision, deep learning, statistics, software engineering, quantum computing

## SKILLS

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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