

# Anton May

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## WORK EXPERIENCE

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### Software Development Intern - AIDA-3D

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

### 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 (3rd highest in year) - designed audio-based tempo detection system and created quantitative benchmark systems to compare my solution with AI-generated implementation
- 4th year focus: computer vision, deep learning, statistics, optimization, 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