

Hayden Raymond Ramm

Born: 6th September 2001, Pasadena, California

Citizenship: United Kingdom / United States

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GitHub: <https://github.com/haydenramm>

Education

- 2026– **University of Edinburgh**
PhD in Machine Learning
(Advisors: A. Storkey & H. Gouk)
- 2024–2025 **University of Oxford**
Doctoral student in Atomic and Laser Physics
- 2020–2024 **University of Cambridge**
BA and MSci in Natural Sciences (Physics)

Publications

Ramm, H., Simon, P., Alexaki, P., Arran, C., Bingham, R., Goillot, A., Gudmundsson, J., Halliday, J., Lloyd, B., Los, E., Stergiou, V., Zhang, S., Gregori, G., & Charitonidis, N. (2026). An online data analysis framework for small-scale physics experiments. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 1085, 171269.

Invited Talks / Posters

- 2026 **University of Oxford MPLS Ethics in AI Conference**
“Beyond GPT: Teaching AI How to Think” (Poster / Oral Presentation)

Teaching Experience

University of Edinburgh

- 2026– Department of Informatics
- TA / Exam Marker, *Probabilistic Modelling and Reasoning* (MSc AI/MInft)

University of Oxford

- 2024–2026 Department of Physics
- Demonstrator / Marker, *General Physics* (1st Year MPhys)
- Demonstrator, *Electronics* (2nd Year MPhys)

Professional Experience

- 2026 **Observatory Sciences Ltd., Oxford** — Software Engineer
2025 **European Organisation of Nuclear Research (CERN), Geneva** — Software Engineer (Research)

Awards

- 2026 EPSRC DLA Scholarship (Department of Informatics, University of Edinburgh)
2024 ERC JETLAB Academic Scholarship (Department of Physics, University of Oxford)
2024 Trinity College Senior Scholarship (Trinity College, Cambridge)
2024 Trinity College Exam Prize (Trinity College, Cambridge)

Technical Proficiencies

- Python (PyTorch, Jax, TensorFlow/Keras, Pandas, Numpy)
- C++
- Bash / Linux
- HTML / CSS
- Mathematics, theoretical physics, machine learning, etc.