

Thomas Lanning

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EDUCATION

University of Oxford

Oxford, UK

Mathematical and Theoretical Physics (MSc)

October 2023 – October 2024

- Focus on theoretical plasma and particle physics, with electives in network theory, random matrix theory, and statistical physics and computer algorithms.

University of Edinburgh

Edinburgh, UK

Mathematical Physics (BSc)

September 2019 – May 2023

- Graduated with the highest mark of the program. (First Class degree with honors).
- Certificate of Merit x2: Received for outstanding academic performance in first and second year.
- Year abroad at UT Austin (3rd Year).

SKILLS

- **Technical Skills:** Excel, Python (Focus on Data Analysis, ML and physics simulations), MATLAB, and fundamentals of R, SQL and HTML.
- **Languages:** English (Native), Dutch (native), German (intermediate) and Spanish (intermediate).

EXPERIENCE

Space Placement in Industry at the Catapult

Remote/UK

Technical Support to Business Development Team

July 2022 – September 2022

- Generated an inter-company pipeline to automatically pull satellite imagery from Copernicus and commercial alternatives.
- Produced satellite images from Sentinel-2 and 5P for marketing purposes.

Energy A.I. Hackathon

Austin, Texas

2nd Place Winners

March 2022

- Won 2nd place in a python machine learning hackathon. Received a trip to Dallas to present our findings to the (C-suite) employees at the headquarters of the sponsors of the hackathon: Pioneer and ComboCurve.

Swiss Climate Analysis

Zurich, Switzerland

University of Edinburgh SLICC program

April 2020 – August 2020

- Used satellite imagery and weather station data to analyze the current and past state of the Swiss climate.
- Performed analysis using Python code and research into ecological spectrometry.

Trading and Investment Society

Edinburgh, UK

University of Edinburgh (EUTIC)

September 2020 – December 2020

- Together in a team, we wrote an investment report on Ballard Power and pitched this to the EUTIC investment panel.
- Learned and applied different financial analysis tools (Porters five forces, relative valuation, etc.) using Excel.

Mathematics Tutor

Online (Global)

Independent Tutor

June 2020 – present

- Tutoring high school advanced mathematics and physics, usually to junior and senior year students.

ACTIVITIES & VOLUNTEERING

Activities: Multiple Hackathons, Athletics; short distance sprinter (10.98s 100m time), Football; Made it to D.C. State tournament (high school).

Volunteering: UNICEF sales representative, D.C. Dutch Embassy general volunteering, New Orleans riverside cleanup, Madrid food bank.