Thomas Lanning

+44 7379 401 250 | thomas.s.lanning@gmail.com | linkedin.com/in/thomas-lanning/

EDUCATION

University of Oxford **Oxford, UK**
Mathematical and Theoretical Physics (MSc) October 2023 – June 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.