

# Eric Taylor

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## EDUCATION

### Imperial College London

2025 – Present

*MSc Environmental Data Science and Machine Learning*

### Pembroke College, University of Cambridge

2022 – 2025

*BA (Hons) Geography*

- Class I with Distinction; ranked 1<sup>st</sup> in Physical Geography
- Thesis: ‘Quantifying changes to debris thickness and extent on Rongbuk Glacier, Tibet, between 2000-2021 using an energy balance model, thermal imagery, and energy balance modelling’ – awarded 91%
- Specialised in glaciology and environmental data analysis

## PUBLICATIONS / CONFERENCES

### Manuscripts in preparation:

- Taylor, E. and Dell, R. Remote sensing early supraglacial debris evolution on Rongbuk Glacier using an energy balance model, thermal imagery, and climate reanalysis data. Intended submission to *Journal of Glaciology*.

### Conferences:

- Taylor, E. (2025). International Glaciology Society – British Branch 2025, University of Oxford. [Abstract Accepted]

## AWARDS

### Department of Geography, University of Cambridge

- Philip Lake Prize for the best performance in Physical Geography in the Geographical Tripos 2025
- William Vaughan Lewis Prize for a 1<sup>st</sup> Class dissertation in the top 15% of marks 2025

### Pembroke College, Cambridge

- Pembroke Master’s Award for postgraduate study at Cambridge 2025
- Foundress Prize for 1<sup>st</sup> Class third-year exam results 2025
- Foundress Prize and Foundation Scholarship for 1<sup>st</sup> Class second-year exam results 2024
- College Prize and Scholarship for 1<sup>st</sup> Class first-year exam results 2023

## FIELDWORK

### Fieldwork Assistant

2025

- 10 days of fieldwork on Morteratsch Glacier, Switzerland, collecting plant samples in the glacier fore-field
- Designed a workflow to record sample metadata and developed Python scripts to extract and organise plant information (plot ID, geographic coordinates, species, collector ID)

## WORK EXPERIENCE

### Stratospheric Platforms Limited

2024 (6 weeks)

*Project Intern*

- Developed company-specific algorithms in MATLAB to model 5G cell tower requirements for UK and global applications.
- Analysed spatial data and UK population data to estimate rural/urban 5G user requirements.
- Produced maps and graphs to convey algorithm results for easier visual interpretation.
- Presented methods, algorithms, and findings.

### The Perse School

2023 (4 weeks)

*Assistant Tutor*

- Designed and ran classes for children aged 7-14 at the Perse Summer School, teaching design technology and maths.

### Department of Geography, University of Cambridge

2023

*Open Day Ambassador*

- Represented Pembroke College as an ambassador during open days, providing insights to prospective applicants about student life and studying Geography at Cambridge.

### YouTube Creator

2019 – 2022

- Produced 30+ Minecraft tutorials, amassing >36,000 subscribers and >7 million views.
- Gained experience in digital media production and online community engagement.

## ACTIVITIES / SOCIETIES

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### Cambridge University Geographical Society

2024 – 2025

#### *President*

- Leading a committee of 13 students to deliver a range of speaker, career, and social events for Geography students.
- Increased the society's annual budget by 50% by working with the University department to provide additional funding to the society.

### Cambridge University Geographical Society

2023 – 2024

#### *Treasurer & Web Officer*

- Redesigned the society's website to improve its online presence and streamline membership purchases – cugs.co.uk
- Created accounting templates to simplify the workload for the next treasurer.
- Membership revenue increased by 10% compared to the previous year.
- Reduced society admin fees by 50%.
- Managed ticketing and finances for the Geography Ball, with 150 guests and a £10,000 budget.

### Pembroke College May Ball

2023 – 2024

#### *Technical Officer*

- Liaised with a team of 21 students to deliver a ball for 1,300 guests with a budget of £200,000.
- Managed the ticketing and website development for Pembroke College's 2024 May Ball.
- Self-taught HTML, CSS, and JavaScript to build the Ball's website.

### Pembroke College Badminton Club

2023 – 2024

#### *Co-President & First Team Captain*

- Organised training sessions and matches for Pembroke's 1<sup>st</sup> Team.

## TECHNICAL SKILLS

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R, MATLAB, Python, QGIS, Google Earth Engine

## HOBBIES

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3D Modelling, Video Production, YouTube (36,000+ subscribers), Running, Badminton (Pembroke College 1<sup>st</sup> Team Captain and Co-President 2023-24).