

Abigail Jones

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SUMMARY

I am a First Class Geography graduate from the University of Oxford with a keen interest in Environmental Science, specifically in relation to the climate crisis. During my undergraduate degree in Oxford I have been the recipient of a number of awards including the 2021 Met Office Academic Partnership Prize for the best climate science dissertation, the Luddington Prize, and an academic scholarship for my finals examinations. Highlights include achieving 82% in my dissertation, which researched the impacts of the Bilybara High over Australia, earning a Full Blue award in Athletics, and captaining the University Athletic Club Women's First Team in my final year.

EDUCATION

St Edmund Hall, University of Oxford

BA (Hons) Geography, 1st Class Honours

Oxford, Oxfordshire

Oct. 2018 – July 2021

- Met Office Academic Partnership Prize for the best climate science dissertation.
- Open Scholarship 2021-22, St Edmund Hall (discretionary scholarship for 1st class scholars).
- Luddington Prize 2021-22, St Edmund Hall (awarded for receiving a Full Blue and a First Class Degree).
- Dissertation: How does the Bilybara High impact regional precipitation and temperature, both in the present day and in future projections? (82%) (Supervisor: Dr. Callum Munday). *Paper in preparation for publication.*
- Relevant Modules: Environmental Geography, Earth System Dynamics, Climate Change Impacts and Adaptation, Climate Change and Variability.
- Extended Essay Topics: A critical review of playa classification systems; Assessing the representation of the Tropical Easterly Jet in CMIP5 models, and the relationship with rainfall simulations over the Sahel; How will climate change impact apple production in Herefordshire, and what adaptation options are needed for this?

St Clement Danes School

*A-Levels: A*A*B*

Chorleywood, Hertfordshire

Sep. 2016 – May 2018

- Geography, Maths, Biology.

RESEARCH EXPERIENCE

Scientific Research Internship, Earth Science System Centre (CCST)

The CCST is a research centre that studies social-economic-environmental systems.

October 2021 – November 2021

Brazil (undertaken remotely)

- This research internship focused on evaluating the level of potential impact of historical drought-related climate hazards on municipalities in the MATOPIBA and semi-arid regions of Brazil.
- Analysed historical climatology data, Palmer Drought Severity Index data, sensitivity and exposure data. Impacts records were also used alongside a number of model algorithms in this project.
- Google Earth Engine and QGIS were used to structure and analyse monthly climatology and impacts data.
- CCST is part of the National Institute for Space Research.

Undergraduate Dissertation, University of Oxford

A 12,000-word project investigating the Bilybara High

June 2020 – January 2021

Oxford, Oxfordshire

- Title: 'How does the Bilybara High impact regional rainfall and temperature, both in the present day and in future projections?'
- This project investigated the Bilybara High, both through daily ERA5 reanalysis data and daily model data, to determine the relationships between the High and rainfall and temperature means and extremes over Australia.
- Analysed observational data and simulations of CMIP5 climate models using Python and the command line suite Climate Data Operators.
- The results of the study showed that the Bilybara High plays a key role in rainfall and temperature patterns across Australia, and therefore is likely to be an important driver of extreme drought and heatwave events in the future. This information advances the science of local circulation features and can be important for governments and policymakers who must prepare and adapt for future regional climate changes in Australia.
- I received a mark of 82% and was awarded the Met Office Academic Partnership Prize by the School of Geography and the Environment for the best climate science dissertation in 2021. I am currently preparing the findings of my dissertation for publication as a scientific journal paper.

WORK EXPERIENCE

- Junior Researcher, Red Cross Red Crescent Climate Centre** November 2021 – Present
The RCCC supports vulnerable people impacted by climate change and extreme events. Remote
- A 6-month, part-time internship undertaking a feasibility study for forecast-based financing (FbF) in Cox's Bazar, Bangladesh.
 - Activities of the position include a risk analysis for the development of FbF systems, capacity building for Cox's Bazar, and stakeholder interviews with government, NGO and UN actors.
- Meteorology-Climatology Researcher, Stockholm Environment Institute** November 2021 – Present
The SEI is a research and policy institute focused on environment and development issues. Remote
- A 6-month, part-time internship working to develop and expand the radar climatology network in the EU and Baltic Sea region.
 - Activities of the position include producing a desk study of literature and existing projects, tools and initiatives related to radar climatology worldwide; communicating with relevant stakeholders and external experts; and investigating potential donor and funding opportunities to develop the network.
- Author, ClimaTalk** October 2021 – Present
ClimaTalk is a youth-led group that provides information about the climate crisis and policy. Remote
- A volunteer position that involves writing monthly articles on a variety of climate-related topics.
- Scientific Research Intern, CCST** October 2021 – November 2021
The CCST is an earth systems science research centre. Brazil (undertaken remotely)
- A 6-week internship researching the level of potential impact of historical drought-related climate hazards on municipalities in the MATOPIBA and semi-arid regions of Brazil.
- Tutor, EdEra** September 2021 – Present
EdEra offers private educational services to school students. Remote
- Individual tutoring of a number of clients multiple times a week in A-Level Maths.
- Work Experience, Grantham Institute, Imperial College London** July, 2017
The Grantham Institute provides world-class research towards the goal of a zero-carbon future. London, UK
- Worked alongside Alyssa Gilbert, Director of Policy and Translation, in the Policy and Communications section of the Institute. Attended a meeting on Brexit and sustainability at the Houses of Parliament.
- Work Experience, One Young World** July 2017
One Young World is an NGO that supports young leaders to create a better and more sustainable future. London, UK
- Given the task of analysing the social media aspect of the organisation, and producing ideas of how this could be improved.

EXTRA-CURRICULAR POSITIONS

- Author of the climate blog 'The Climate Perspective'** September 2021 – Present
- The Climate Perspective aims to discuss some of the big questions relating to climate change and any intersecting topics, and to help spread awareness of the climate crisis. The blog can be found at abi-jones.com/blog/.
 - I cover a huge number of topics, including core climate science, climate impacts, climate solutions, climate policy, and the interdisciplinary nature of climate change.
- Women's Blues Captain | Oxford University Athletic Club** May 2020 – July 2021
- Responsible for preparing and selecting teams for all competitions throughout the year, culminating in the Varsity match in May. On the Executive Committee, having to find solutions to the challenges posed by COVID-19.
 - Competed for the first team in the javelin throw, earning a Full Blue award in 2019.
- Women's Officer | St Edmund Hall, University of Oxford** December 2020 – December 2021
- This is an elected position on the Junior Common Room committee.
 - On the JCR Committee with the aim of supporting the Women* within college through the organisation of educational, welfare and social events.
- Senior Charities Officer | St Clement Danes School** September 2017 – June 2018
- Organised and ran a charities week which raised over £12,000 for four chosen charities.
- Volunteer Athletics Coach | Watford Harriers Athletics Club** September 2017 – September 2019
- Ran weekly javelin coaching sessions for children from ages 12-17.

CERTIFICATIONS

- UN CC: An introduction to climate change and human rights** October 2021
- Developed an understanding of human rights obligations within the context of the climate crisis. Awareness in this area is known to support effective rights-based climate action.

ADDITIONAL SKILLS

IT: Knowledge of Python. Proficient in Excel, Power Point and Word.
Languages: English (native), French (basic).