

JENNIFER SCOTT

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Professional Statement

Highly motivated MSc by Research student with a First-class degree in Environmental Geoscience BSc (Hons) and experience in paleoceanographic reconstruction.

Education

GeoSciences (MSc by Research), University of Edinburgh Sep 2019 - Sep 2020

- Paleoceanographic and paleoclimate research reconstructing sea surface temperatures in the Western Arabian Sea to investigate evolution of monsoon system over glacial cycles.
- Using Mg/Ca paleothermometry and $\delta^{18}\text{O}$ values from foraminifera *G. ruber* and *G. bulloides*.

Environmental Geoscience (BSc Hons), University of Edinburgh Sep 2015 - May 2019

Classification: First Class

- Dissertation Research Project (A)
- Global Environmental Change (A)
- Oceanography (A)
- Practical Geochemistry & Data Analysis (A)
- Marine Biogeochemical Cycles (A)
- Field course in Tropical Marine and Terrestrial Geoscience (A)
- Marine Systems and Policies (A)
- Applied Environmental Geochemistry (A)
- and other Earth Science courses

Technical Skills

- Extensive experience in geochemical lab work: competent in Mg/Ca paleoclimate proxy, theoretical understanding of $\delta^{18}\text{O}$ analysis, experience in geochemical water analysis.
- Knowledgeable and skilful in identification of planktonic foraminiferal species.
- Confident in Python computer programming.
- Proficient using Ocean Data View, Libre Office, Excel and word processing.
- Wide-ranging fieldwork experience: studied nutrient inputs and circulation of a polluted coral reef in Jamaica and investigated the physical and biogeochemical processes of a fjord basin.
- Experience in water sampling and sediment coring from boats.

Research Experience

- Currently undertaking MScR project, illustrating my passion for research.
- Awarded Best Dissertation Research Project for my undergraduate dissertation on the impact of El Niño-Southern Oscillation (ENSO) induced tropospheric anomalies on the ENSO - Indian Monsoon relationship.

University of Tokyo Research Internship Programme (UTRIP) June - July 2018

- Selected from over 600 applicants as summer intern in an active research environment, working as a part of the Graduate School of Science at the University of Tokyo.
- Researched the impact of ENSO on the Peruvian Upwelling System using Python coding.
- Culminated in a presentation to world leading academics and report published on UTRIP website: https://www.s.u-tokyo.ac.jp/en/utrip/archive/2018/pdf/1_05.pdf

Relevant Skills

Communication skills

- Developed high-quality written communication skills through lab reports and essay writing during undergraduate degree and continue to improve upon during MScR programme.
- Experienced in delivering high-quality presentations to experts in their field having presented at the International Institute of Environmental Studies annual conference at Korea University.
- Developed excellent interpersonal and verbal communication skills as a swimming teacher and academic demonstrator.

Teamwork

- Worked well in a team of less than 5 for university group work ranging from presentations to lab reports, achieving high level results for each task.
- In my role as a lifeguard worked in a team of over 10 people whilst learning to be calm under pressure and follow first aid training.

Organisational skills

- Able to work to deadlines and balance workload well, as demonstrated by planning my university commitments around working part-time as a swimming teacher and lifeguard in order to excel academically and deliver high-quality research.
- Self-motivated and able to organise my time well, a skill I have further developed during my MScR project working independently.

Public outreach

- Participated in the International Institute for Environmental Studies' International Graduate Student Seminar Series 2020 during which I presented my MScR research and led an online discussion with the audience, providing an opportunity for participants around the world to ask questions and gain insight into the field of paleoclimate reconstruction.

Career History

Demonstrator and Marker - University of Edinburgh September 2019 - Present

- Provided academic tuition and support for undergraduate students on Practical Geochemistry and Data Analysis and Oceanography courses.
- Involved assisting in the teaching of Python coding and oceanographic principles as well as marking, developing my teaching ability and deepening my understanding of the subjects.

Swimming Teacher and Lifeguard - Enjoy Leisure April 2015 - Present

- Maintained the safety of customers and provided first aid treatment when required, undertaking monthly health and safety training.
- Delivered customer service on poolside and at reception in a friendly and professional manner.
- Provided swimming lessons for children aged 3+ and those with additional support needs.
- Adapted to challenging situations.

Interests and Additional Skills

- Enjoy independent travel and experiencing new cultures.
- Scottish Highland dancer since the age of four showing commitment and dedication.
- Full UK driving license.