NATASHA RAMSDEN

Having pursued the fields of ecology and evolution through my studies and work experience so far, I am enthusiastic to further this at the same time as gaining more experience in the world of data science. I begin a master's degree in Computational Methods in Ecology and Evolution at Imperial College London in October.

🍃 EDUCATION

2020 | 2016

BSc Natural Sciences specialising in Biology 📍 University of York
First Class Honours

- Refined areas of interest towards **ecology, evolution and conservation**, having initially studied a broad range of science subjects.
- Extensive **laboratory and field skills** from across multiple disciplines, confident working **independently**.
- Advanced scientific **problem solving**, **critical thinking** and **quantitative abilities**, developed throughout rigorous degree which has required disciplined **time management** skills.
- Research project: "Coexistence and dynamics in a multispecies plankton model with variable predation". Modelled dynamic plankton assemblages using R.
- Produced, handled and interpreted complex data, before synthesising into concise **written reports and clear presentations**.
- Academic environmental science representative for Natural Sciences, required student-staff liaising to effectively communicate problems.

2016 | 2014

A Levels 📍 Tollbar Sixth Form College
Biology (A*), Chemistry (A), Maths (A)

2014 | 2009

GCSEs 📍 Tollbar Academy
10 A* inc. Maths, Biology, Chemistry and Physics, 1 A

🍃 WORK EXPERIENCE

Current | 2020

Science and Maths Tutor
Privately and MyTutor

- Condensing scientific theory into simple explanations suited to audiences of different abilities has led to accomplished **science communication** skills.
- Visual **presentations skills** developed through creating engaging lesson materials from scratch tailored to students' needs.
- Sharing and encouraging **enthusiasm for science** whilst developing students' confidence and knowledge.

2020 | 2018

Practical Conservation Volunteer
St Nicks, York

- **Practical conservation skills** that compliment field skills gained at University.
- Community-led project involved **teamwork** and commitment. Followed on from previous voluntary work at The Ark Animal Rescue and Retirement Home, position held for three years (2013-2016).

2019

Research Assistant
Univeristy of York

- Assisted PhD student with previously unseen project investigating behavioural ecology of woodlice.
- Laboratory work dealing with invertebrates, contributing towards current research.
- Experience in working as part of academic research group.

CONTACT
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⦿ https://github.com/tashramsden

COMPUTATIONAL SKILLS

High level of **digital literacy**.

Confident using **Python**.

Proficient in **R** for statistical analyses and mathematical modelling (self-taught).

Front-end web development using **Python**, **HTML**, **CSS**.

Confident using **ArcGIS** for spatial analyses and **SPSS**.

Some knowledge of C and Linux, having completed short courses in both.

OTHER ACTIVITIES & HOBBIES

I engage with ecological citizen science projects online and locally: including bat, bird and invertebrate counts, as well as participating in Zooniverse projects online.

Member of the British Ecological Society: I enjoyed their weekly webinar series Ecology Live throughout this year and last.

I attended the virtual European R Users Meeting in 2020; this motivated me to pursue data science further.