

# ARTUR TREBSKI

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## EDUCATION

University College London (UK)

2019-2023

**MSci Natural Sciences - First Class Honours**

- Major: Genetics, Evolution and Environment; Minor: The Earth and Environment
- Achieved a First Class average in each year of study
- Modules taken include: Earth Resources and Sustainability, Sustainable Management of the Environment, Animal Biodiversity, Computational Biology, Principles of Climate, Science Communication, Species Conservation and Biodiversity, Plant Evolution and Ecology, Behavioural Ecology

University of Warsaw (Poland)

2018-2019

**Inter-faculty Studies in Mathematics and Natural Sciences**

- Major: Biotechnology; Minor: Chemistry, Cognitive Sciences
- 250 hours of laboratory work including dissections, microscopy techniques, PCR, electrophoresis, chromatography, DNA extraction, genetic crosses

## RESEARCH PROJECTS

MSci Research Project (UCL CBER)

Sep 2022 - April 2023

***Biodiversity and the resilience of ecosystem services in South African agricultural systems***

- Expanded time management, research design, and organisational skills through conducting an individual research project
- Reviewed literature and identified a research gap to be addressed using novel Species Distribution Modelling techniques
- Utilised publicly available biodiversity and climate data to model future changes in the provisioning of pest control by bats and birds on macadamia orchards in South Africa
- Identified areas expected to change in pest prevalence and quantified potential loss of pest control due to climate-change-induced shift in predator distribution

Natural History Museum Intern (SSCP DTP REP)

Jul 2022 - Sep 2022

***Towards nature-positive businesses: Meta-meta-analysis on the impacts of agriculture on biodiversity***

- Completed a placement contributing data to the research group and conducted an individual meta-meta-analysis project
- Screening of 1270 sources and extracting and analysis of data from the final 24 studies identified 35% higher biodiversity at organically farmed lands compared to conventional farms
- Provided a quality review of the meta-meta-analysis pipeline and suggested areas for improvement
- Presented findings to the research group, identifying key limitations of the method used

Literature Review Project (UCL)

Sep 2021 - Aug 2022

***Climate change impacts on schistosomiasis epidemiology: past, present, and future***

- Conducted a 5,000 words narrative literature review on the topic of past, current, and potential future impacts of climate change on schistosomiasis epidemiology worldwide
- Combined findings from 61 studies and developed skills in literature search, reference management, and academic writing across the fields of ecology, epidemiology and modelling

# WORK, VOLUNTEERING, ENGAGEMENT

## UCL Natural Sciences Transition Mentor

Sep 2021 - Dec 2021

- Organised and led a series of 10 weekly meetings with first-year Natural Sciences students, providing support and guidance in the first term of their degree

## Big Wasp Survey Volunteer

Jun 2021 - Oct 2021

- Applied Data Mining API in R to extract photos of wasps from Twitter
- Conducted social media campaign with Big Wasp Survey, with the result of volunteers sending 600 photos of wasps on flowers
- Identified wasps and flowers on photos using taxonomic keys and PlantNet software

## UCL Connected Learning Intern

Jul 2021 - Aug 2021

- Reviewed and assessed 10-week-long course material for Python computing module using cloud computing CoCalc platform

## UCL Natural Sciences Academic Representative

Sep 2020 - Sep 2022

- Planned and conducted 10 interviews with Natural Sciences staff and students about the university experience, enhancing engagement and feeling of belonging among first year-students
- Represented student body at Student-Staff Consultative Committees meetings within Natural Sciences and Biosciences departments, speaking publicly about student issues

## UCL Accommodation Ambassador

Aug 2020 - Aug 2022

- Supported UCL students in their transition to university, professionally represented UCL in meetings with students and parents
- Facilitated students in the move-in process to UCL Halls of Residence, combining manual work with logistics

## UCL Climate Action Society Social Media Director

May 2020 - May 2021

- Managed the social media accounts (Instagram, Facebook, Twitter, LinkedIn) of a student-led society
- Designed promotional graphics to be distributed across platforms

## UCL Natural Sciences ChangeMaker Project Co-Leader

Feb 2020 - Oct 2020

- Developed and led a departmental project enhancing teaching and learning in a core Natural Sciences module
- Hosted weekly meetings using online meeting platforms and reviewed various types of online teaching methods in preparation for online teaching being implemented at UCL

## SKILLS

- |                    |                        |                           |
|--------------------|------------------------|---------------------------|
| • R (4 years)      | • MS Office            | • Reference management    |
| • Python (1 year)  | • Statistical analysis | • Social media management |
| • Spatial analysis | • Meta-analysis        | • GIS                     |