



## EDUCATION

2019  
|  
2016

### PhD Spatial Ecology

University of Western Australia

📍 Perth, AUS

- Awarded a globally advertised BHP Marine Research scholarships to work in collaboration with the Commonwealth Scientific and Industrial Research Organisation (CSIRO).
- Established advanced GIS and programming skills to develop workflows to combine and analyse large data sets to obtain quantitative results.
- Detailed knowledge of statistics and modelling methods to identify the appropriate techniques to analyse data including mixed-effect models and machine-learning.
- Developed experience in the operation of remote sensing techniques and subsequent data analysis.
- Established a global network of contacts and led collaborations across institutions to produce quality research papers and book chapters.
- Presented work at multiple international and domestic conferences.
- Synthesised complex scientific concepts to a variety of stakeholders.
- Practiced time management, self-management, and personal motivation.

2012  
|  
2011

### MSc Tropical Coastal Management

University of Newcastle upon Tyne

📍 Newcastle, GBR

- Set up a collaboration with the Department of Parks and Wildlife (Australia) to complete my research project and subsequently published this work.
- Advanced GIS and Python skills to analyse spatial data sets.
- Obtained knowledge of the interactions between biodiversity and the private sector, such as Environmental Impact Assessment (EIA) processes.

2011  
|  
2008

### BSc (Hons) Marine Zoology

University of Newcastle upon Tyne

📍 Newcastle, GBR

- Developed knowledge of marine ecology and biodiversity from a cellular to ecosystem level.
- Established skills of data interpretation and analysis.
- Experienced in use of Microsoft Office and statistical software (e.g. Primer, R).

2008  
|  
2006

### A Levels

King George V Sixth Form College

📍 Liverpool, GBR

- Mathematics (A), Chemistry (A), Biology (A), Geology (A)



## PROFESSIONAL EXPERIENCE

Present  
|  
2020

### Programme Officer (Business and Biodiversity Team)

UNEP World Conservation Monitoring Centre

📍 Cambridge, GBR

- Technical lead for the Proteus partnership to provide private sector companies with access to global biodiversity data and tools.
- Chair of the Integrated Biodiversity Assessment Tool user committee.
- Technical lead for the Oil for Development programme to strengthen the availability and use of biodiversity data across partner countries.
- Analysis of large, global, datasets using R, Python, and GIS software for businesses, governments, and financial institutions.
- Build data analysis pipelines to automate workflows.
- Manage relationships between private sector and governmental partners.
- Provide technical leadership and support across the Business and Biodiversity team to streamline data analysis workflows and upskill others in the team.
- Delivered remote training courses in data fundamentals and data management to international clients with limited technical knowledge.

# JOSEPH TURNER

## CONTACT

✉ [joe.alexander.turner@gmail.com](mailto:joe.alexander.turner@gmail.com)

🐦 [Joseph\\_A\\_Turner](#)

🔗 [Google Scholar](#)

in [josephalexanderturner](#)

🔗 [jt-wcmc](#)

## TECHNICAL SKILLS

Proficient:

- R
- Python
- ESRI GIS Products
- QGIS
- SharePoint

Working knowledge:

- Amazon S3
- Git and GitHub
- Javascript
- SQL

2020  
|  
2019

### Senior Marine Ecologist

Ocean Ecology Ltd

📍 Gloucester, GBR

- Lead role in data manipulation, analysis, and visualisation and report writing.
- Streamlined data analysis processes using R and Python scripts.
- Built workflows to automate data analysis and QA procedures.
- Progressed the company's quality management system to ensure effective data management of different data types and quality control of data.
- Produced reports and deliverables (e.g. data packages) tailored to the individual needs of clients.
- Formatted large datasets to meet international metadata standards for data archiving.
- Lead role in mapping and advanced geospatial analysis using R and ArcGIS Pro software.

2016  
|  
2014

### Marine Offshore Habitats Monitoring Officer

Joint Nature Conservation Committee

📍 Peterborough, GBR

- Led the development of scientific guidance documents in collaboration with scientific and governmental organisations.
- Managed research and development projects and worked with contractors to synthesise information on UK marine benthic habitats and the ecosystem services they provide.
- Collaborated with partner organisations and across teams within JNCC to plan surveys.
- Presented work at international conferences and at senior cross-organisation meetings.
- Applied data analysis techniques to ensure scientific robustness of surveys.

2014  
|  
2013

### Marine Monitoring Specialist

Natural England

📍 Newcastle, GBR

- Sourced spatial data to inform survey design using GIS and programming skills.
- Managed contracts, in collaboration with partner organisations, for inshore UK MPA monitoring to gather evidence for designation and to assess site condition.
- Organised interagency workshops to develop best practice standards for video methods.

2013  
|  
2012

### Scientific Diver

Nature Seychelles

📍 Praslin, SYC

- Completed scientific operations for the coral reef restoration project Reef Rescuers.
- Performed statistical analysis on field data and subsequent visualisation.



## INTERESTS

### SCUBA Diving

- Professionally qualified diver (PADI Divemaster) with associated first aid qualifications.

### Athletics and Cross-Country

- Compete at a high level for distance running where I have won national and state medals in the 3000 m Steeplechase and 10,000 m.
- Club secretary for the Newcastle University Athletics and Cross-Country Club 2011/12.
- Committee member for the University of Western Australia Athletics Club and led the development of the UWA "Run Club" to encourage greater student participation.

Made with the R packages **pagedown** and **datadrivencv**.

The source code is available  
**[github.com/jt-wcmc/cv](https://github.com/jt-wcmc/cv)**.

Last updated on 2021-09-16.