

Adam Shand

ENVIRONMENTAL DATA ANALYST

Townsville, Australia

✉ adamshand22@gmail.com | 📷 add-am | 🌐 adamshand

Employment

Healthy Waters Partnership for the Dry Tropics (HWPDT)

Townsville, Australia

ENVIRONMENTAL DATA ANALYST

Apr. 2022 - Present

- Extensively used technical programs including Python, R, SQL, and the Microsoft suite to lead advanced data analysis projects.
- Highly proficient in the use of Tableau, QGIS, ArcGIS, and R to create interactive dashboards and data visualisations.
- Significant collaboration skills - working simultaneously with industry, government, NGOs, and community stakeholders to complete environmental projects and deliver monitoring reports.
- Experience using statistical modelling to measure multiple environmental indicators including climate data, water quality data and vegetation surveys.
- Developer of automated workflows for tasks such as data cleaning, manipulation, analysis, and visualisation.
- Excellent communicator - having presented at several conferences and lectured at James Cook University.
- In depth project and people management experience - supervising multiple concurrent Master's student interns while maintaining personal KPI's.

Griffith University

Gold Coast, Australia

RESEARCH ASSISTANT

Nov. 2018 - Jan 2022

- Developed and applied tools for monitoring and resource assessment in marine and estuarine environments.
- Utilised advanced data analysis, data management, coding, and automation techniques for multiple scientific publications.
- Designed and presented complex technical and scientific reports to collaborators and stakeholders.
- Served as a project manager for multiple desktop and in-field studies.
- Supervised and provided guidance to a team of 7 undergraduate students and interns.

Education and Awards

Griffith University

Gold Coast, Australia

BSc (HONS) IN SCIENCE

Feb. 2020 - Nov. 2020

- Recipient of the Academic Excellence Award (2020).
- First Class Honours with Distinction (GPA 7.0/7.0).
- Honours research project was to develop an automated image recognition and identification system for estuarine fish species.
- Studied units including Scientific Data Analysis, Scientific Report Writing, and Research Planning

Griffith University

Gold Coast, Australia

BMarSc IN MARINE ECOLOGY

Feb. 2017 - Nov. 2019

- Recipient of the Academic Excellence Award (2017, 2018, 2019).
- Graduate with Distinction (GPA 6.5/7.0).
- Mentor for the Griffith University Science Stream (2019).
- Capstone project was to assess the impact of soft coral allelopathy on surrounding hard coral cover.
- Studied units including Applied Data Science, Environmental Chemistry, Ecotoxicology, and Estuarine Ecology.

Qualifications

2025	Fire Extinguisher Training	Port of Townsville
2024	Carbon Literacy Standard	ThinkZero
2023	HLTAID011 - Provide First Aid	ABC First Aid
2023	HLTAID010 - Provide basic emergency life support	ABC First Aid
2023	HLTAID009 - Provide cardiopulmonary resuscitation	ABC First Aid
2023	Aquatic Environment Monitoring Skills	JCU, TropWater
2023	Drone Pilot (RPA Operator Accreditation)	CASA
2018	Lifetime Member of the Golden Key International Honour Society	Griffith University
2017	Recreational Boat License	DTMR, QLD
2016	Advanced Open Water Diver	PADI
2015	Certificate I in Maritime Operations (MAR10313)	TAFE, NSW
2015	Class C and Class RE Manual Drivers License	DTMR, QLD

Referees

Kara-Mae Coulter-Atkins

Townsville, Australia

EXECUTIVE OFFICER OF THE HEALTHY WATERS PARTNERSHIP FOR THE DRY TROPICS

- Email: eo@drytropicshealthywaters.org
- Mob: 0476071375

Professor Rod Connolly

Gold Coast, Australia

DIRECTOR OF THE COASTAL AND MARINE RESEARCH CENTRE, GRIFFITH UNIVERSITY

- Email: r.connolly@griffith.edu.au
- Mob: NA