

Oakleigh Wilson

University of the Sunshine Coast
School of Science, Engineering, and Technology

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[OakAlice.github.io](https://github.com/OakAlice)

Research Interests

I am a quantitative ecologist integrating big-data computation into ecological science. I am interested in animal behaviour and have a life-long passion for evolutionary psychology. Currently, I focus on developing user-friendly theoretical frameworks and data workflows for utilising machine learning in behavioural biollogging research.

Education and Employment

PhD Candidate	2023 -	<u>University of the Sunshine Coast</u> . Optimising the use of machine learning in animal accelerometer behaviour recognition. Advisors: Christofer Clemente, David Schoeman.
Graduate Ecologist	2023 - 2024	<u>Eco Logical Australia</u> . Designing data quality procedures and conducting statistical analyses for government and private sector clients.
Science Communication Intern	2021	<u>The Daily Post</u> . Weekly science communication articles for a regional newspaper, targeted at a general audience.
Bachelor of Advanced Science (Hnrs)	2019 - 2022	<u>University of Queensland</u> . Thesis focused on quantifying koala ground-traverse behaviour using GPS and accelerometer behaviour recognition. Advisor: Robbie Wilson.

Awards and Grants

2023	People's Choice Poster Award, ANZSCB Conference
2023	Runner Up Poster Award, SSTE UniSC Student Conference
2022	Dean's Commendation for Outstanding Academic Achievement
2021	Evolution Prize, for highest achievement in Evolution course
2021	Summer Research Scholarship (School of Psychology)
2020	Summer Research Scholarship (School of Biology)

Papers

Wilson O., Schoeman D., Bradley A., Clemente C. (in review). Biologger's Guide To Machine Learning Validation: Case-study In Animal Accelerometry.

Teaching

2024 -	R tutor	2nd year - Ecophysiology
2022	Lab lead	3rd year - Comparative Biology