

Nicole Wilson

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I am an environmental consultant with expertise in marine biology and ecosystem-based management and aim to apply my skills to develop and implement conservation and management strategies in the marine environment.

Employment, Education, and Experience

Jan. '22 – Present	Environmental Consulting – Larry Walker Associates, Davis, CA <ul style="list-style-type: none">Job Title: Intern Project ScientistIn this environmental consultancy position, I work under the direct supervision of the Vice President, conducting analytical and administrative work as well as specialist fieldwork all aimed at stormwater quality management across the state of California.
Sept. '20 – Aug. '21	MSc Marine Ecosystems Management - University of St Andrews, UK <ul style="list-style-type: none">Graduated with meritRelevant Modules: Mathematical and Statistical Modelling, Ecosystem-based Management of Marine Systems, Biologging, Fisheries Research, and Population Biology.Thesis title: 'Spatial and temporal variation in harbor seal diving behavior' – Supervisor: Gordon Hastie
Sept. '15 – March '19	BSc Marine Biology - University of California - Santa Cruz (UCSC), USA <ul style="list-style-type: none">Graduated with honors
April '18 – Aug. '20	Biotelemetry and Behavioral Ecology Laboratory – UCSC Long Marine Lab <ul style="list-style-type: none">Supervisor: Ari FriedlaenderResearch Technician – My project in this lab focused on understanding the behavior of Antarctic minke whales, specifically with regards to their distribution and movement patterns in ice-covered habitats. I published this work with my collaborators as a scientific journal article and presented my findings in the form of a talk at the 2019 World Marine Mammal Conference in Barcelona, Spain. Pinniped Cognition and Sensory Systems Laboratory – UCSC Long Marine Lab <ul style="list-style-type: none">Supervisor: Colleen ReichmuthResearch Technician – My work in the Reichmuth lab spanned multiple projects orientated around understanding the ecology and physiology of captive pinnipeds (1 ringed seal, 1 bearded seal, 1 harbor seal, 2 California sea lions). As part of a large collaborative team, I was responsible for essential tasks such as animal husbandry, data collection, and data analysis.
Aug. '18 – Nov. '19	
Aug '17 – Nov. '17	Marine Biology, Terrestrial Ecology Field Quarter - University of Queensland, Australia
Sept. '11 – June '15	Crescenta Valley High School, USA

Relevant Skills

Industry	<ul style="list-style-type: none">Coordinating stakeholder and client engagementUndertaking extensive water quality fieldwork and analysisData dissemination and science communication in the form of Annual Reports and Environmental Impact Assessments
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- Preparing bespoke client-ready documentation
- Producing presentations for stakeholder communication including government agencies
- Experience in developing public communications and outreach materials including websites, brochures, factsheets, infographics, and social media posts.

Marine Mammal Science

- Scientific project design and planning
- Field experience handling, tagging, and observing marine mammals in their natural environment
- Analysis of large remote-sensing tag datasets
- Extensive husbandry experience training and caring for captive marine mammals in a research setting
- Presentation and communication of scientific results in the form of peer-reviewed scientific publication (see below), international conference talks, and blog posts

Data Science

- IT and programming experience:
 - Microsoft Office suite – Everyday writing, organizing, and presenting
 - R and MatLab - Statistical analysis of large quantitative datasets
 - ArcGIS, QGIS, and OceanData View - Spatial and geographic data analysis
 - Audacity, Raven, Adobe Audition - Analysis of acoustic data
 - BORIS - Animal behavioral analysis
 - Adobe suite - Graphical plotting and manipulation
 - Procreate - Hand-drawn illustrations for deliverables
- Extensive experience in handling and carefully managing large datasets and developing protocol to ensure data integrity is maintained.

Scientific Publication

Linsky, J.M., **Wilson, N.**, Cade, D.E., Goldbogen, J.A., Johnston, D.W. and Friedlaender, A.S., 2020. **The scale of the whale: using video-tag data to evaluate sea-surface ice concentration from the perspective of individual Antarctic minke whales.** *Animal Biotelemetry*, 8(1), pp.1-12.

Additional Skills

- Well-developed communication and interpersonal skills,
- Flexible with regards to work environment (i.e., working both remotely and in an office setting),
- Skilled at goal-oriented planning and problem solving
- Possess a driver's license

Professional Certifications

- Rescue Scuba dive certified (PADI)
- American Red Cross CPR/ Emergency First Responder Certified
- DAN (Divers Alert Network) Emergency Oxygen Provider Certified
- Training in Animal Care and Husbandry; completed IACUC CITI course in animal care and use.

References (available on request)

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