SHIRA SALINGRE | RESUME

Marine Ecologist | Data Analyst

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Professional Experience

Marine ecology specialist

Song of the Sea (Self employed) | 2015 - Present
Professional adviser and project coordinator for a multitude of projects, mainly focusing on creating educational and professional materials on marine ecology and conservation.
Example: NPA (Nature and Parks Authority) posters for the general public on marine fauna, in Hebrew
Data analyst in various ecological research projects.

Projects ecologist

HaMaarag - Israel's Nature Assessment Program | 2020 - 2022
Ecological data processing, analysis, visualisation and reporting for the nonprofit organisation Hamaarag. Worked as part of the team of the State of Nature Report 2022, and other projects.

Teaching assistant in BSc course

Ruppin Academic Center | 2019 - 2022
Teaching undergraduate students in an intensive week-long course on the ecology of the Mediterranean.

Marine ecology MSc student and researcher

The Belmaker lab, Tel Aviv University | 2018-2020
Explored how co-occurrence of fish species in the Mediterranean sea changes along environmental gradients. My whole work was based on using models in R environment.
My dataset: MEData

Nature conservation tour guide

Nature and Parks Authority | 2007-2019
Guided tours that were nature conservation orientated, in field trips and in class or lectures. Lead long-term ecological and environmental educational projects.

Elasmobranch researcher

Sharks in Israel | 2014-2019
Established and managed a shark and rays citizen science observation database. Co-founder of the organisation "Sharks in Israel".

Recreational fishing surveyor

Nature and Parks Authority & Tel Aviv University | 2016-2018
Collected data from recreational fishermen on their fishing habits and catch to create first-ever quantitative estimates on recreational fishing extent in Israel.

Junior research assistant

Gitai Yahel's lab, Ruppin Academic Center | 2016-2018
Worked on various ecological project as part of the Ruppin Estuarine Coastal Observatory (RECO). Here I took samples from the estuary, extracted biological and chemical information from them and assisted with other projects on marine ascidians.

Sea turtle hatching season volunteer coordinator

The National Sea Turtle Rescue Center, NPA | 2011 and 2017
Coordinated and managed a team of volunteers of the Sharon region hatchery, throughout the hatching season. As part of my work I also had to update and consult the hatching database for our operations.

Sea turtle care taker volunteer

The National Sea Turtle Rescue Center, NPA | 2009-2016
Cleaned and fed turtles and helped when needed in medical operations. It was great fun!

Invasive sea star removal volunteer

Earthcare St. Kilda, Melbourne, Australia | 2013
A one off volunteer experience I had while living and working in Melbourne, Australia. We were physically re-moving northern pacific seastar from Port Phillip bay.

Humpback whale research volunteer

Eye of the Whale, Alaska, USA | 2011
While traveling in Alaska I took part in this unique research where we recorded humpback whales in the bay of Homer, and identified the individuals. It was an amazing experiance I will never forget.

Education

Master of Science (Ecology) - Tel Aviv University   2018-2020

Bachelor of Science (Marine Sciences) - Ruppin Academic Center   2014-2017

In my BSc I learned basics of research methods, including data analysis using GIS software and Microsoft Excel. My studies included a research project on the effects of fish farms in open seas.
During my Masters studies I learned and practiced most of my data science skills, mainly using R, Rstudio (now 'posit') and GitHub. I also started a Github account for our lab, initiated a Google website platform for our fish identification guide (which we all built together), gathered and cleaned our Mediterranean database and lead lab hackathons. My research topic was "Dynamic fish networks along environmental gradients in the Mediterranean Sea".

Skills

Data processing, analysis and visualisation

- **R language, RStudio, Rmarkdown**.
- Spreadsheet software: **Microsoft Excel, Google Sheets**.
- Geographical information systems (**GIS**): qGIS, ArcGIS.
- Basic understanding of **SQL**
- **GitHub** repositories and collaboration tools

Science communication

- Public speaking
- Presentations creation (**Microsoft PowerPoint**, **Google Slides**, **RMarkdown**)
- Article writing (blog posts, popular science)
- Scientific report writing

Natural languages

- English: proficient, fluent.
- Hebrew: native.
- Spanish (Castellano): beginner.