

Shoval Segal

Center District, Israel



shovalsegal5@gmail.com



+972-54-9438222



[linkedin.com/in/shoval-segal-bioinformatics-genetics](https://www.linkedin.com/in/shoval-segal-bioinformatics-genetics)

Summary

I am currently pursuing a Master of Science degree in Ecology and Environmental Studies at Tel-Aviv University's Zoology school, which is part of the Faculty of Life Sciences. My master's research focuses on the innovative application of environmental DNA analysis (eDNA) for long-term marine monitoring, using a prominent fish company as the test group. I employ Bioinformatics tools to compare DNA from water samples (PCR) to fish surveys.

I have a deep passion for scientific research, Bioinformatics, and Genetics.

Before my academic journey, I served in the Israeli military for seven years in the Israeli Air Force, where I held roles as a commander and officer. Today, I continue to serve as an active reservist

Experience



Instructor

SEAKURA - SEA OF LIFE

Apr 2021 - Present (2 years 6 months)



Assistant Operations Division Officer

Israel Defense Forces

Jun 2018 - Sep 2020 (2 years 4 months)

Ministry of Defense headquarters, Operations Division

-Active reservist-



Deputy Company Commander

Israeli Air Force

Jul 2013 - Jun 2018 (5 years)

1.2 years of combat training

Commander and officer course

Team Commander

Education



Tel Aviv University

Master of Science - MS, Ecology and Environmental Studies

Aug 2023 - Jun 2025

Using environmental DNA analysis (eDNA) as a complementary tool for long-term marine monitoring using the fish company as a test group.



Ruppin Academic Center

BSc, Marine Sciences

Oct 2020 - Jun 2023

Licenses & Certifications



Skipper License up to 24m 30 משיט - Israel Ministry of Transport | משרד התחבורה

Skills

PCR Primer Design • Real-Time Polymerase Chain Reaction (qPCR) • Polymerase Chain Reaction (PCR)
• Python (Programming Language) • Analytical Skills • Genetics • Bioinformatics • Teamwork •
Team Leadership • Management