

# Spyros Rigas

DATA SCIENCE · MACHINE LEARNING

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## Employment

### DATA SCIENCE & MACHINE LEARNING OPERATIONS

Athens, Greece

SeaQuest Marine Technologies LLC

2022 - Present

- Developing *Canopus*, an integrated platform used for monitoring, forecasting and performing predictive maintenance on vessels.

### POST-MSC RESEARCHER

Athens, Greece

Physics Department, National and Kapodistrian University of Athens

2021 - 2022

- Followed up on Master Thesis research, by extending the developed code to account for more effects.
- Developed code to study the non-analytical solutions of spin-orbit coupled superconducting systems.

### MILITARY SERVICE

Greece & Cyprus

Signals Arm

2018 - 2019

- Mandatory 9-month service after finishing BSc studies.
- Built a small-scale local SQL database to store staff information.
- Developed Python code to automatically allocate daily posts as an optimization problem.

## Skills

**Programming** Python, SQL, R, Julia, FORTRAN, C

**Tools** Apache Spark (PySpark API), Database Management (InfluxDB, IBM Db2), Grafana, Git, LaTeX

**Languages** Greek (mother tongue), English (C2), German (Beginner)

## Education

### MASTER OF SCIENCE IN DATA SCIENCE & MACHINE LEARNING

Athens, Greece

National Technical University of Athens

2021 - 2023

- Currently working on my MSc Thesis titled “Construction of a complete marine data science pipeline: from data collection to model deployment”. Running average grade: 9.89/10
- Noteworthy courses: Algorithmic Data Science, Big Data, Data Driven Models, Data Mining, Deep Learning, Machine Learning, Parallel Architectures, Pattern Recognition, Statistical Modeling, Stochastic Processes and Optimization

### MASTER OF SCIENCE IN PHYSICS

Athens, Greece

National and Kapodistrian University of Athens

2019 - 2021

- Graduated with grade 10/10 (Excellent) from the Physics Department’s Condensed Matter Physics Section.
- Developed tight-binding code to simulate topological superconducting systems (MSc Thesis).
- Noteworthy courses: Computational Physics, Statistical Physics

### BACHELOR OF SCIENCE IN PHYSICS

Athens, Greece

National and Kapodistrian University of Athens

2014 - 2018

- Graduated with grade 8.98/10 (Excellent) from the Physics Department’s Nuclear & Particle Physics Section.
- Studied quantum information loss in black-hole systems described by semi-classical fields (BSc thesis).

## Honors & Awards

2022	<b>Kaggle Expert</b> , Awarded in the largest Data Science platform (Google LLC’s subsidiary)	Remote
2021	<b>49th Bodossaki Foundation Scholarships Programme</b> , Scholarship for post-MSc research	Athens, Greece
2020	<b>48th Bodossaki Foundation Scholarships Programme</b> , Scholarship for Master Thesis research	Athens, Greece
2014	<b>Touramanoglou Award</b> , Amongst the top high school graduation grades in Ilioupolis	Athens, Greece