Spyros **Rigas**

DATA SCIENCE · MACHINE LEARNING

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Employment

DATA ENGINEERING & MACHINE LEARNING OPERATIONS
Athens, Greece

SeaQuest Marine Technologies
2022 - Present

- Designed a complete solution for data ingestion, storing, pre-processing and analytics for marine operations on Microsoft Azure.
- Implemented a Multivariate Time-Series Graph Attention Neural Network to perform unsupervised anomaly detection on IoT data.
- Designed and deployed a PostgreSQL TimescaleDB to feed processed data into a monitoring dashboard's back-end.

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 complex effects.
- Developed Python & Julia 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 on-premises MySQL database to store staff information.
- Developed Python code for automatic daily posts allocation.

Skills

Programming	Python, SQL (PostgreSQL, MySQL), R, Julia, FORTRAN, C
Cloud	Microsoft Azure Ecosystem (Microsoft Certified), InfluxDB, IBM Db2, Grafana
Tools	Apache Spark (PySpark API), Microsoft Power BI, Google Charts, 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	**Kaggle Expert**, Awarded in the largest Data Science platform (Google LLC's subsidiary)	*Remote*
2021	**49th Bodossaki Foundation Scholarships Programme**, Scholarship for post-MSc research	*Athens, Greece*
2020	**48th Bodossaki Foundation Scholarships Programme**, Scholarship for Master Thesis research	*Athens, Greece*