

VASILIS VALATSOS

Curriculum Vitæ

Turin, Italy

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🌐 www.valatsos.gr

🐙 github.com/aethrvmn

🌐 Vasilis Valatsos

Experience

June 2022 - Feb 2024

Alumni Database Manager

Students For Liberty

Skills: Web Scraping, PostgreSQL, Supabase, Data Analysis, Salesforce, BitBucket

January 2019 -
August 2020

Backend Developer

ASTERION S.A.

Worked as an independent contractor

Education

Sept 2021 - July 2024

M.Sc. Statistics and Data Science

Università degli Studi di Torino,

Torino, Italy.

Sept 2014 - Sept 2021

B.Sc. Physics

National and Kapodistrian University of Athens,

Athens, Greece.

Theses

Master's Thesis

2024

Reinforcement Learning: Theory and Implementation in a Custom Environment.

University of Turin

Supervisor: Roberto Esposito | Co-Supervisor: Mirko Polato

Code available upon request.

Bachelor's Thesis

2021

The One-Dimensional Heisenberg Model, RG Methods and Numerical Simulation of the SDRG Process

National and Kapodistrian University of Athens

Supervisor: Professor Aris L. Moustakas

Code available upon request.

Projects

2023

Super Mario Network

Implementation of a DDQN to play SMB1 for the NES, as part of my thesis

Code available upon request.

2022

Prehistoric Human Dispersion: The Exodus from Africa

Project for the course 'Statistical Machine Learning'

Code available upon request.

2022

The Black-Scholes Model for financial applications

Project for the course 'Computer Science with Python'

Code available upon request.

Workshops & Conferences

June 2022

Machine Learning Crash Course,

Università di Genova,

organised by MaLGa - Machine Learning Genoa Center.

July 2019

Eighth Summer School in Operator Theory,

National and Kapodistrian University of Athens,

organised by Emeritus Professor A. Katavolos.

- December 2018 **Xmas Theoretical Physics Workshop @ Athens 2018**,
National and Kapodistrian University of Athens,
organized by Professor K. Sfetsos and Associate Professor V. Spanos.
- December 2017 **Xmas Theoretical Physics Workshop @ Athens 2017**,
National and Kapodistrian University of Athens,
organized by Professor K. Sfetsos and Associate Professor V. Spanos.

Presentations

- June 2019 **Random Operators – Anderson Localisation**
National and Kapodistrian University of Athens
Presentation for the course Stochastic Processes in Physics.

Seminars & Colloquia

- March 2022 **Machine Learning from a Mathematical View Point: A Gentle Introduction**,
Università degli Studi di Torino,
Ernesto De Vito (Università di Genova).
- December 2017 **Colloquium in Honour of Fokion Hadjioannou**,
National and Kapodistrian University of Athens,
organized by Professor P.J. Ioannou and Associate Professor T. Apostolatos.
- December 2017 **Lectures on Theoretical Physics 2017**,
National Technical University of Athens,
F. Farakos (Leuven U.) – An Introduction to Supergravity.

Languages

Native *Greek*
Fluent *English*
Basic *Italian*

Mastery of Proficiency (C2 level, Michigan ECPE)
A1 level, certified by University of Turin