

Dario Partipilo

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EXPERIENCE

- Jan 2024 – Present **GOLDMAN SACHS INTERNATIONAL** London, United Kingdom
Executive Director – Risk Strats
- Managing and recommending risk actions
 - Researching risk metrics and implementing risk models (Slang) concerning the whole book of the firm, spanning from equities and bonds to exotic derivatives (Swaptions, Caplets, K-O options, commodity basis, etc...)
 - Supervising team in the development of coherent risk metrics
 - Reporting the progresses of our metrics to Senior management/Partners/CRO
- Oct 2022 – Dec 2023 **Associate – Risk Strats**
- Analyzing risk data and metrics
 - Implementing pipelines and algorithms to assess the Prime Brokerage risk of the firm
 - Reporting (Python)
- Jul – Oct 2022 **HIGH – TECH XL** Eindhoven, Netherland
Early Stage Start-upper
- Founded a photonic-switch (for data-center) start-up
- Jul – Nov 2022 **ITALIAN MINISTRY OF ECONOMIC DEVELOPMENT** Rome, Italy
Consultant
- Consultant for the development of AI and the applications of new technologies
- 2017 - 2018 **ESIM GROUP** Bari, Italy
Data Analyst and Software Developer
- Developed and implemented algorithms for the Train Running Control system (SCMT)
 - Programmed FPGA (VHDL) for systems that need to be mounted on the bottom of trains to analyze the status of the rails. Much data was needed to be analyzed at same time (from lasers, detectors and mechanical parts) thus the need of FPGA
 - Tested different tech-equipments in Lab
- 2014 - 2016 **UNIVERSITY OF PISA** Pisa, Italy
Tutor
- Teaching Physics and Mathematics to dozens of University students, preparing them for Classical Mechanics, Electromagnetism, Analysis, Lagrangian Mechanics, Electronics and Lab
 - Teaching Physics, Mathematics, Chemistry and Biology to High School students

ACADEMIC CAREER

- Nov 2018 - Jun 2022 **UNIVERSITY OF PADUA** Padua, Italy
Ph.D. IN PHYSICS
- Optimization Algorithms for String Theory computations
 - Applied cryptographic techniques to Supergravity problems
 - Ph.D. students' representative in the Council of the Ph.D. school
 - Ph.D. students' representative in the Council of the Physics Department
 - INFN member (Istituto Nazionale di Fisica Nucleare)
- Oct 2016 - Jun 2017 **UNIVERSITY OF CAMBRIDGE** Cambridge, United Kingdom
MASTER IN APPLIED MATHEMATICS
- Selwyn College
 - Graduated with Distinction (Essay: The Theta Angle in Gauge Theories, Supervisor: Prof. D. Tong)
 - Member of Physics Society (CUPS)
- Oct 2013 - Jul 2016 **UNIVERSITY OF PISA** Pisa, Italy
BACHELOR IN PHYSICS
- Graduated with 110/110 cum Laude
 - Thesis on the Unruh Effect, Supervisor: Prof. M. D'Elia

LANGUAGES & COMPUTER SKILLS

Italian (native), English (Advanced Proficiency), French (Beginner Proficiency)

Mathematica (Advanced Proficiency), Slang (Advanced Proficiency), Latex (Advanced Proficiency), Python (Elementary Proficiency), Ocaml (Beginner Proficiency)

ACTIVITIES & INTERESTS

Sailing (Holding both the sailing-boat and motorboat international licenses), trekking (Latest Svalbard, Uzbekistan, more info on my website: www.dariopartipilo.it), playing chess, Literature (mostly Italian), History, Politics, manga, cooking (like to learn dishes from different cuisines, British as well)