

Filippo Elgorni

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Education

- Sep 2023
in progress **Università Bocconi**
PhD in Statistics and Computer Science
Focus on probability, machine learning, statistical physics
- Sep 2018
Apr 2020 **Politecnico di Milano**
Master's Degree in Engineering Physics:
Nanophysics and Nanotechnology
Focus on quantum mechanics, statistical physics,
computational linear algebra, technology
110 / 110 cum Laude
- May 2021
Aug 2021 **Udacity**
Project based online course
Intermediate Python Nanodegree Program
- Feb 2019
Lug 2019 **Technische Universiteit Delft**
Applied Physics
Erasmus Programme - semester
Focus on quantum computing and many body
physics
- Mar 2018 **Instituto Superior Tecnico Lisboa**
Athens Programme - workshop
Plasma Science and Technology
- Oct 2015
Jul 2017 **Politecnico di Milano**
Bachelor's Degree in Materials Engineering
and Nanotechnology
Focus on mathematical analysis, linear algebra,
physics, atomic physics, structural mechanics
109 / 110

Experience

- Sep 2024
Nov 2024 **Alkemy**
Applied Research Project Candidate
 - Researched state of the art ML models for TTS and STT tasks, understanding their architectural specifications and testing their performance methodologically
 - Implemented the best candidates in an API based on an AWS EC2 instance
- Jun 2021
Aug 2023 **Accurat**
Developer and Scientist
 - Developed enterprise-level web experiences and native apps, with a focus on custom visualizations of complex datasets that required ad hoc solutions
 - Applied raw geometry and algorithms to build solid and optimized graphical interfaces
 - Defined and applied new analytical methods to make design choices more effective
- Oct 2020
Mar 2021 **European Synchrotron Radiation Facility**
Scientist Trainee
 - Readapted a state of the art vacuum chamber
 - Planned and performed experiments on self fabricated samples grown at the nanoscale in UHV
 - Researched and implemented the best models for the description of quantum phenomena, extracting data with multi-parametric fittings
- Nov 2017
Jan 2020 **Asfero Films**
Co-founder, director
 - Directed and edited corporate and artistic videos, coordinating multi-disciplinary teams with time and budget constraints
 - Delivered content to more than 40 clients like: Nike, IBM, L'Oreal, Primark, Virgin Records

Computer skills

(github.com/filippoelgorni)

JavaScript (node, TS, React, d3, svelte)
Python (tensorflow, fastapi, beautifulsoup)
Julia
R (tidyverse, ggplot)
Clojure (basic knowledge, self taught)
Adobe Suite (Pp, Ps, Id, Lr)
MatLab
Git

Language

C1 English - TOEIC 2017
A2 German - Goethe Zertifikat 2014
Beginner French

Hobbies and interests

Climbing
Science communication (@large_deviations)
Visual arts (www.filippoelgorni.com)

November 2024

