

LUCA PIZZAGALLI

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EXPERIENCE

Machine Learning Engineer Aignsostics GmbH

Feb 2022 - present

- Computer vision applied to the medical field.

Data Scientist Allianz - Talent Program

Jan 2020 - Jan 2022

- Built classification models deployed in the real world performing hundreds of predictions each day
- Analyzed big tabular data, prediction and classification with machine learning techniques using python and its data science stack (e.g. Pandas, Numpy, scikit-learn)
- Automated the process of updating the prediction models with a robust pipeline, bringing down the necessary time from 7 to 2 days.
- Data extraction with PySpark, SQL
- Built interactive dashboard (single page web application in React JS) with data visualization and visual analytics.

Business Analyst Business Integration Partners

May - Aug 2019

- IT architect consulting for a software house
- Used the TOGAF framework to frame the client's internal applications and business processes.

Intern at Bio and Nano Physics group L.F. Universität Innsbruck

Summer 2018

- Mathematical modelling and computational simulation of micro-swimmers
- Stochastic differential equations
- Mathematica programming language.

EDUCATION

Big Data Science Second level Master

2020 - 2022

Politecnico di Milano

- Big data methods and tools, data mining, data ingestion, data preparation, machine learning techniques, time series
- Apache Spark
- Apache Kafka.

Quant. & Computational Biology Master of Science

2017 - 2019

Università di Trento

- Supervised and unsupervised machine learning in Python
- Bioinformatics in Python
- Mathematical modelling of biological systems
- Molecular mechanics modeling and simulation
- Basic preparation in biology.

Physics Bachelor's degree

2013 - 2017

Università degli Studi di Padova

- Solid foundation in maths, physics and statistics
- Analysis of experimental data in C++ and with the ROOT library.