

LUCA PIZZAGALLI

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luca pizzagalli.github.io

EXPERIENCE

Machine Learning Engineer **Aignsostics GmbH**

Feb 2022 - present

- Computer vision applied to the medical field • Trained deep learning model on pathology images • Kubernetes • Ray.

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 (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 • Machine learning in Python • Data mining • Data ingestion • Data preparation • 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.