

Vincenzo Lavorini

Data Strategist

Proposing innovative methodologies with state of the arts technologies to extract value from data.

Work experience

Data Architect / [MeanQuest](#) / [Canton de VAUD](#) Lausanne, Switzerland

Since March 2021

Lead innovation in Data-related subjects:

- Proposed and started migration to "data mesh" paradigm
- Migration of data pipelines to AirFlow
- Set up of a Data Catalog (DataHub)

Lead Data Scientist / [Cor-E](#) Toulon, France (remote)

From March 2020 to February 2021

Team and Architecture management (five people), technical debt mitigation:

- Data products migration to the Cloud
- Improvement of Machine Learning models
- Deployment of software management tools

Entrepreneurial essai / [company not founded](#) Genève, Switzerland

From September 2019 to February 2020

Study of a business opportunity in the logistic sector: use of crowdsourcing to dispatch goods

Senior Data scientist / [Natural Cycles](#) Stockholm, Sweden and Genève, Suisse

From October 2017 to August 2019

R&D on new products, ex:

- use of Temporal Convolutional NN on wearable devices (PyTorch)
- churning prediction and classification algorithms via semi-supervised learning (XGBoost, HDBSCAN clustering on features importance, deployment on GCP)

Algorithms optimisation

Supervision of junior Data Scientists.

Entrepreneurial essai / [company not founded](#) Genève, Switzerland

From April 2017 to September 2017

Study of a business opportunity in the automotive sector: a "smart" windscreen

Data Scientist / [Self Employed](#) Geneva, CH

From August 2016 to March 2017

PoC development:

- Scene detection on Closed Circuit cameras (CNN, PyTorch)
- Profiling of users based on bank transactions (GloVe Embeddings in Poincaré hypersphere)

Data Scientist / [CERN](#) Genève, Switzerland

From January 2013 to July 2016

- design and development of a web based data application;
- set up and optimization of datacenter resources allocation (clustering);
- R&D on a new particle detector

Education

Ph. D. in Physics and Quantum Technologies / [Università degli studi della Calabria](#) Cosenza, Italie

From October 2009 to December 2012

In the same institution I got:

- Master's degree in High Energy Physics, 2009
- Bachelor's degree in Physics, 2006

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🏠 Lausanne, CH

📅 Date of birth 02/12/1981

🔗 <http://vlavorini.github.io>

📞 0033633799662

Skills

Data Architecture

Team management

Agile product development (Git / Jira)

Python (expert), NodeJS

Machine Learning (PyTorch, TensorFlow, SkLearn)

Business Intelligence tools (PowerBI, Grafana)

Assets

Change Management

Empathy

Design thinking

Business mindset

Challenge taker

Languages

Italian



English



French



Chinese



📧 @4120777/vincenzo-lavorini

🐙 @vlavorini

🌐 @vincenzo-lavorini/

Voluntary experience

Lead Data Engineer / [India Excellence Forum](#) Remote

From October 2021 to December 2021

Leading a team of 8 volunteers across 7 time zones to:

- gather unstructured data (PDFs, Images) about COVID19 infections
- analyse data, also with AI/Computer Vision to extract needed statistics
- publish a Dashboard on India Excellence Forum website

Vice President / [Gruppo Astrofili Menkalinan](#) Rende, Cosenza, Italy

From March 2006 to December 2012

Organisation of events related to observational astronomy:

- Events for the greater public
- lectures in High Schools

Additional education

Databricks Lakehouse Platform Essentials / [Databricks Academy](#) Remote

January 2022

<https://credentials.databricks.com/814c7a32-0494-467b-82e7-2f7bfd50a0fa>

Design Thinking for Innovation / [University of Virginia](#) Coursera

From November 2021 to December 2021

License CCN8C868YZJZ

Hands On Essentials - Data Warehouse / [Snowflake Academy](#) on-line

March 2021

MongoDB Basics / [MongoDB University](#) Online

From February 2021 to March 2021

https://university.mongodb.com/course_completion/61c7c0e5-b19d-472a-a28f-09cb8f6f2a61

Data Topology / [IBM via Coursera](#) on-line

February 2021

License PRR8VUM6UZ77

Lightbend Data Engineering - Data Principles / [Lightbend Academy](#) on-line

August 2020

Advanced Data Science Specialist / [IBM](#) Coursera

From May 2020 to July 2020

License 67ZJ4DLVYK4J

Deploying microservices with Kubernetes / [IBM via Coursera](#) Coursera

December 2019

License RF8Y6W2BN73A

Bayesian Methods for Machine Learning / [Higher School of Economics \(Russia\)](#) Coursera

From September 2018 to December 2018

License CZ5XFYEMFS3V

Various

Member of the winning team of the "Influx Trust Global Hackaton - Geneva" (2017)

Winner of a Bronze Medal in the Machine Learning competition "The Nature Conservancy Fisheries Monitoring", hosted by Kaggle.com

Different publications on peer reviewed journals, for an h-index of 99. Most of them within the ATLAS collaboration at the CERN.