

Vincenzo Lavorini

DATA SCIENTIST

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CONTACT

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Address 9 Avenue Perdtemps, 1260 Nyon (CH)

Nationality Italian

Date of birth December 2, 1981

Gender Male

EXPERIENCES

04/2018 - 10/2019 Research and analyze company data, working with marketing, business and product teams by fetching and analyzing relevant datasets.
Data Scientist

@ Natural Cycles - Geneva (CH)

Main outcomes:

- Supervision of three junior Data Scientists.
- Development and deployment of churning prediction algorithms combining several Machine Learning techniques

6/2017 - 03/2018 Research and analyze company data, working with marketing, business and product teams by fetching and analyzing relevant datasets.
Data Scientist

@ Natural Cycles - Stockholm (SE)

Main outcomes:

- Development of optimization algorithms based on Bayesian methods;
- Development of algorithms for data manipulation from wearable devices, based on Neural Networks

08/2016 - 05/2017 Consultant in the Artificial Intelligence / Machine learning sector: PoC development, teams selections.
Data Scientist

@ (self employed) - Geneva (CH)

01/2016 - 07/2016 Design and development of a web application for QA/QC purposes.

FS developer/Data Scientist Based on Node.js as core framework, with Angular.js as frontend, the application includes Data Analysis routines:

@ CERN - Geneva (CH)

- QA of hardware components via Computer Vision method (OpenCV / Python);
- Automatic Report creator;

07/2014 - 01/2016 Study and development of monitoring tools for data management purposes, with web pages as GUI.
Data Scientist

@ CERN - Geneva (CH)

12/2013 - 06/2014 I've been part of the team which set up a Data Center (22k cores, 14 PB storage).
Data Scientist

@ INFN - Cosenza (IT)

Main outcomes:

- Study and development of users classification, based on their resources usage.
- Study of resources pre-allocations based on the classification outcome.

01/2013 - 06/2013 R&D on a sub-nuclear particle detector.

Physicist Main outcome: Development of a model to simulate the behavior of the detector.

@ CERN - Geneva (CH)

CONTINUOUS EDUCATION

12/2019 IBM *Deploying microservices with kubernetes*

12/2019 IBM *Microservices - fundamentals*

11/2019 HEC Paris *Creating and developing a tech startup*

09/2018 HSE *Bayesian methods for Machine Learning*

10/2017 Stanford *Structuring Machine Learning Projects*

09/2017 Irvine Univ. *Managing Project Risks and Changes*

09/2017 Irvine Univ. *Budgeting and Scheduling Projects*

09/2017 Irvine Univ. *Initiating and Planning Projects*

06/2017 CTI-EPFL *Business Concept*

08/2016 Stanford *Machine Learning*

FORMAL EDUCATION

2009 – 2012 **Ph. D. In High Energy Physics**

Università degli studi della Calabria (Italy) Thesis title: Study of the top quark differential cross section with the ATLAS detector at the LHC

2006 – 2009 **Master's degree In High Energy Physics**

Università degli studi della Calabria (Italy) Thesis title: Study of the top quark production with the ATLAS detector at the LHC

2006 – 2009 **Bachelor degree Physics**

Università degli studi della Calabria (Italy) Thesis title: Decay time of mu lepton in free and 1s bound states of aluminum

LANGUAGES

Mother tongue **Italian**

Foreign languages **English: c2**

French: c1

IT PROFESSIONAL SKILLS

Operating systems **Linux, Mac OS X**

System development **Python, Java, Javascript (NodeJS), Bash, C++**

Data Science/ML **Scikit-Learn, Pandas, Numpy, Pytorch**

Visualization tools **Matplotlib, Seaborn, Bokeh, Tableau**

Collaboration Tools **Git, SVN, Google Docs, Slack, Jira, Trello**

PROFESSIONAL HIGHLIGHTS

I like to go beyond the expectations, in order to reach goals at the best;

Entrepreneurial mindset;

I keep myself updated for new tools and techniques, also by taking on-line courses;

I love to take initiatives;

I get actively involved in open source projects;

I have a deep knowledge of Linux O.S. networking and Cloud Computing

OTHER SKILLS AND HOBBIES

Winner of a bronze medal in an international Deep Learning competition: "The Nature Conservancy Fisheries Monitoring" hosted by Kaggle.com