

Francesco Dondi

The guarantee of experience, the enthusiasm for good engineering.

Latest version of this CV at: dondi.fyi/d/cv_en

Online (React) version of this CV at: <https://fdondi.github.io/cv-react/>

Zugerstarsse 66, 8810 Horgen, ZH
📞 +41 76 456 50 32
✉ francesco314@gmail.com
in francesco-dondi
🌐 Fdondi

Born 29/10/1990
Italian citizen, C permit
Married, no children



09/2025 - 11/2025 **Software Engineer , Randstad Digital for Google**
Untangling complex legacy data routing in YouTube's backend.

2023-current: AI startups era

03/2025 - 05/2025 **Backend Engineer , Hoshii**
Developed and deployed on Kubernetes the AI orchestration pipeline with LangChain. Delivered a React webshop, integrating with MongoDB and Go backend, expanding the API as needed.

09/2024 - 01/2025 **Senior Machine Learning Engineer , Giotto AI**
Contributed to cutting-edge AI research tackling the ARC challenge. Especially focused on LLM fine-tuning and data augmentation. PyTorch/Lightning for efficient multi-GPU training.

03/2024 - 05/2024 **Senior Software Engineer , Deep Impact**
Experience in the field of Computer Vision, on cloud and edge embedded devices (Nvidia Jetson). Overhauled Docker setup and solving bugs.

2021-2023: Cloud Data Warehousing arc

03/2023 - 09/2023 **Senior Software Engineer , DoubleCloud**
Developed infrastructure around ClickHouse SQL, deploying with Salt-Stack, Helm and Terraform. Go for Telegraf plugins.

06/2021 - 09/2022 **Senior Software Engineer , Firebolt**
Developed the SQL optimization engine and testing infrastructure.

- Expanded supported SQL syntax and optimizations
- reworked the test framework to support new test suite
- contributed to rewriting to higher standards the optimization engine

2020-2021: Finance interlude

08/2020 - 02/2021 **Software Developer and Quantitative Analyst , F-Trust**

- Maintained and developed a Trading Engine (C++)
- redesigned, implemented and migrated storage (PostgreSQL)

2017-2020: Google

10/2017 - 05/2020 **Senior Software Developer , Google**
Within Search, productionized an initially experimental tool (C++).

- Improved runtime from days to hours
- added support for new kinds of data
- made the results easily visualizable and monitorable
- made onboarding orders of magnitude faster for most cases

2015-2017: Initial Experiences

04/2016 - 10/2017 **Software Developer , Ascent Software**
Developed a driver (C++) for automotive communications, running also on and embedded (QNX real-time OS) systems.

04/2015 - 04/2016 **Junior Developer , Rulex Inc./CNR**
Explored options for speeding up C algorithms with CPU (OpenMP) and GPU (Nvidia CUDA) parallelization. MATLAB algorithms to Python.

Skills

Programming

C++
Python
SQL
- Clickhouse SQL
- PostgreSQL
BASH
Julia

Data Science

Pandas
Numpy

ML

TensorFlow/Keras
Pytorch
- Lightning
Scikit-learn
Fine-tuning
LangChain
LoRAs

Development

Git
Cursor
Jenkins CI
Gitlab CI

Cloud

Docker
Kubernetes
Terraform
Helm
Linux
AWS
GCloud

Languages

English
Italiano
Deutsch
Français

Formal education

02/24–10/24	CAS ETH in Machine Learning in Finance and Insurance, ETH Zürich Both theoretical and hands-on education on Machine Learning techniques; with focus on Banking and Insurance use cases, such as fraud detection, document retrieval and understading, claim evaluation, etc.
01/2023–06/2023	Business Analytics: From Data to Decisions, Imperial College Business School
2009–2015	Galileian School of Higher Education, University of Padua, Enriching program, 98/100
2012–2014	Master Degree in Mathematics, University of Padua, 108/110
2009–2012	Bachelor Degree in Mathematics, University of Padua, 110/110 cum Laude
2004–2009	High School - Science Track, added IT, French, Liceo Fermi, Bologna, 100/100 cum Laude

Continuous Learning

Machine Learning/LLMs/AI

Jul 2025	Linkedin	Introduction to Azure AI Foundry: Exploring Services and Capabilities	PySpark	
Jul 2025	Linkedin	Spark for Machine Learning & AI	Airflow	
Jul 2025	Linkedin	Hands-On Introduction: Data Engineering	Pytorch Lightning	
Oct 2024	Linkedin	Build a Neural Network with PyTorch Lightning	LLMs	
			Integrated AI solutions	

Data Science/Analytics

Aug 2024	GitHub	J.P. Morgan Python training	Data Analysis	
Jan 2024	Linkedin	Data Science Foundations: Knowledge Graphs	Data Visualization	
Nov 2023	Linkedin	Data Fluency: Exploring and Describing Data	Probability	
Nov 2023	Linkedin	Power BI Essential Training	Microsoft Power BI	
Oct 2023	Linkedin	Business Intelligence for Consultants	Microsoft Excel	
Oct 2023	Linkedin	Data Analytics for Business Professionals	Pandas	
Oct 2023	Linkedin	Excel: Economic Analysis and Data Analytics		
Oct 2023	Linkedin	The Non-Technical Skills of Effective Data Scientists		
Jan 2023	Linkedin	Data Visualizations with Plotly		

Google Data Analytics Professional Certificate

Aug 2024	Coursera	Prepare Data For Exploration	Data Management	
July 2024	Coursera	Ask Questions to Make Data-Driven Decisions	Data-Driven	
Nov 2023	Coursera	Foundations: Data, Data, Everywhere	Decision-Making	
			Business Analysis	

Finance/Business

Dec 2023	Linkedin	Financial Forecasting with Analytics Essential Training	Excel	
Dec 2024	Linkedin	Using Tableau to Discover Powerful Business Insights	Tableau	
Dec 2023	Linkedin	Marketing Analytics: Setting and Measuring KPIs	Statistics	
Oct 2023	Linkedin	Business Intelligence for Consultants		
Oct 2023	Linkedin	Data Analytics for Business Professionals		

Hackatons

Leaderboards/training

14-16/Nov/2025	HackaHealth Zürich , ETH Student House Help Patrick paraglide again despite paralysed legs.
26-27/Sep/2025	ZurichHack , Swiss {ai} Weeks Mine the Gap: Detect anomalies in an evolving knowledge graph.
11-12/Sep/2025	Energy Data Hackdays , BKW Smart Design of Resilient Local Energy Communities
19-20/Mar/2016	H-Farm , H-Ack Food , Reinventing the 'Bio food' experience.
12-13/Dec/2015	H-Farm , H-Ack Luxottica , Ideas for the future of glasses.

🏆 Leetcode

🏆 Kaggle

Personal

Hobbies:
Read, hike, bike, swim.