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/*

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in *francesco-dondi*

○ *Fdondi*

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

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**
Had the opportunity to have direct experience of Computer Vision, both on cloud and edge embedded devices (Nvidia Jetson platform). Contributed by overhauling 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 SaltStack, 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)
○ extracted and integrated data from multiple log streams
○ analyzed data to highlight opportunities for improvement (Julia)

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
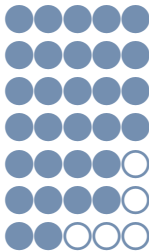○ made onboarding orders of magnitude faster for most cases

2015-2017: Initial Experiences

04/2016 - 10/2017 **Software Developer** , **Ascent Software**
I helped maintain and develop a driver (C++) for automotive communications, running both on regular computers 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*	**Spark for Machine Learning & AI**	PySpark ●●○○○
Jul 2025	*Linkedin*	**Hands-On Introduction: Data Engineering**	Airflow ●●○○○
Oct 2024	*Linkedin*	**AI Workshop: Build a Neural Network with PyTorch Lightning**	Pytorch Lightning ●●●○○
			LLMs ●●○○○
Jan 2024	*Coursera*	**Generative AI with Large Language Models**	
Dic 2023	*Linkedin*	**Advanced Prompt Engineering Techniques**	

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**	

Competitions

ongoing	**Kaggle**, *https://www.kaggle.com/litecoin*
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.
2009	**Italian Olympics of Mathematics**, *Gold* 🏅
2008	**Italian Olympics of Information Technology**, *Bronze* 🏅

Personal

Hobbies:
Read, hike, bike, swim.