

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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Fdondi

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



Who I am

I have had a long career as software developer, but there seems to be only demand by cool startups that don't end up offering a long term perspective. I'm thus trying to pivot my caeer towards machine learning. I'm known among my peers and supervisors for being a reliable, intelligent, and friendly colleague, one who is always ready to take on responsibility and contribute to the team's success.

2020-current: Startup experiences

- 09/2024 - current
(2mo. contract)
- Senior Machine Learning Engineer, **Giotto AI**
Contributing to cutting-edge machine learning research through code improvements and multi-GPU deployments.
- 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.
- 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
- 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 com-munications, 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
Julia

Data Science

- Pandas
Numpy

ML

- TensorFlow/Keras
Pytorch
- Lightning
scikit-learn

Platforms

- Linux
AWS
Windows
Nvidia Jetson

Competences

- Testing
DevOps
Design Docs
Embedded Dev.
Agile Dev.

Universal Tools

- BASH
Git
Jenkins CI

Languages

- English
Italiano
Deutsch
Français

Formal education

02/24–10/24 (exp.)	CAS ETH in Machine Learning in Finance and Insurance, ETH Zürich
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

Google Data Analytics Professional Certificate

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

Data Science/Analytics

Aug 2024	GitHub	J.P. Morgan Python training
Jan 2024	LinkedIn	Data Science Foundations: Knowledge Graphs
Nov 2023	LinkedIn	Data Fluency: Exploring and Describing Data
Nov 2023	LinkedIn	Power BI Essential Training
Oct 2023	LinkedIn	Business Intelligence for Consultants
Oct 2023	LinkedIn	Data Analytics for Business Professionals
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

Data Analysis	
Data Visualization	
Probability	
Microsoft Power BI	
Microsoft Excel	
Pandas	

Machine Learning/LLMs/AI

Oct 2024	LinkedIn	AI Workshop: Build a Neural Network with PyTorch Lightning
Jan 2024	Coursera	Generative AI with Large Language Models
Dic 2023	LinkedIn	Advanced Prompt Engineering Techniques

Pytorch Lightning	
LLMs	

Design, documentation and communication

Aug 2024	LinkedIn	Communicating Time Boundaries: A Business English Primer
Jun 2024	LinkedIn	Software Design: Modeling with UML
Dec 2023	LinkedIn	Marketing Analytics: Setting and Measuring KPIs

UML	
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Finance/Business

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

UML	
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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.