

Francesco Dondi

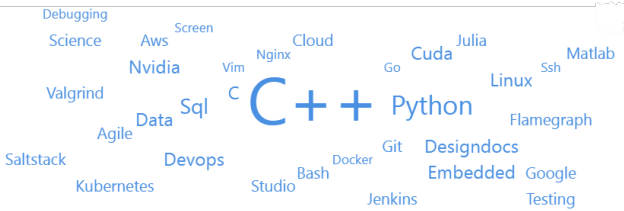
Born 29/10/1990, Bologna, Italy, Italian citizen
 Married, no children

Latest version of this CV at:
github.com/Fdondi/cv-latex/blob/main/cv_en.pdf

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 francesco-dondi
 Fdondi
 C permit until 30/09/27



The guarantee of experience, the enthusiasm for good engineering.



Experience

09/2023 - Current	Growth time Restarted intensive German study. First personal embedded development project (Arduino). Experimented with LLMs, including: prompt engineering, created a CustomGPT to assist with German learning; architecture, discovered the details of transformer structure and parameter efficient training; learnt to run language models locally.
03/2023 - 09/2023 DoubleCloud Company size: 50-100	Software Developer , Zürich Maintained and developed the infrastructure around managed ClickHouse, in particular: <ul style="list-style-type: none">Secured metrics server by adding NginxImproved SaltStack configurationSolved bugs in Telegraf Go plugins
10/2022 - 02/2023	Personal Time Got married, organized celebrations across two continents. Moved house. Started studying German intensively. Sailed for a week for the first time. Decided to take Data Science certification (see Education).
06/2021 - 09/2022 Firebolt Company size: 50-100	Software Developer , Zürich Maintained and developed the SQL optimization engine and testing infrastructure. <ul style="list-style-type: none">Expanded supported SQL syntax and optimizationsreworked the test framework to support new test suitecontributed to rewriting to higher standards the optimization engine
08/2020 - 02/2021 F-Trust Company size: 5	Developer / Analyst , Zug <ul style="list-style-type: none">Maintained and developed a Trading Engine (C++)redesigned, implemented and migrated storage (PostgreSQL)extracted and integrated data from multiple log streamsanalyzed data to highlight opportunities for improvement (Julia)
10/2017 - 05/2020 Google Company size: 100.000	Software Developer , Zürich Within Search, productionized an initially experimental tool (C++). <ul style="list-style-type: none">Improved runtime from days to hoursadded support for new kinds of datamade the results easily visualizable and monitorablemade onboarding orders of magnitude faster for most cases
04/2016 - 10/2017 Ascent Software	Software Developer , Luqa, Malta Bridging from internal API to new device API for automotive.
04/2015 - 04/2016 Rulex Inc. /CNR	Junior Developer , Genua, Italy Reworked C/MATLAB algorithms for OpenMP/CUDA parallelization

Languages

English	Fluent professional
Italiano	Madrelingua
Deutsch	B1, B2 geplant 03/24
Français	Bon

Programming

C++	●●●●●
- C++/Abseil	●●●●●
- C++/Boost	●●●●○
SQL	●●●●●
- Clickhouse SQL	●●●●●
- PostgreSQL	●●●●○
Python	●●●●○
Julia	●●○○○
Go	●○○○○

Tools

BASH	●●●●○
Linux	●●●●○
Windows	●●●○○
Visual Studio	●●○○○
AWS storage	●●○○○
Docker	●●●○○
Git	●●●●●
Jenkins CI	●●●○○
SSH	●●●○○
VIM	●●●○○
Valgrind	●●●○○
Flamegraph	●●○○○
Nvidia CUDA	●●○○○
OpenMP	●●●○○

Competences

Testing	●●●●●
Debugging	●●●●○
DevOps	●●●●○
Design Docs	●●●●○
Embedded Dev.	●○○○○
Agile Dev.	●●●●○

Formal education

- 2023 H1 **Business Analytics: From Data to Decisions**, *Imperial College Business School*
- 2009–2015 **Galileian School of Higher Education**, *University of Padua*, University-level enriching program for gifted students, *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

Data Science/Analytics

- 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**

AI and LLMs

Programming languages

- Nov 2023 *Linkedin* **C# Essential Training 1: Types and Control Flow**
- Oct 2023 *Linkedin* **Learning MATLAB**

Embedded development

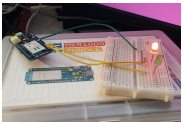
- Nov 2023 *Linkedin* **C Programming for Embedded Applications**

Cloud and DevOps

- Feb 2023 *Linkedin* **AWS Certified Solutions Architect - Associate (SAA-C02) Cert Prep: 1 Cloud Services Overview**
- Jan 2023 *Linkedin* **DevOps Foundations: Going Cloud Native**

Projects

Embedded



- Nov 2023 **BTC Arduino monitor** <https://github.com/Fdondi/arduino-btc> A bot checking Bitcoin prices and blinking a green led if the price is above average, red if below. The speed of blinking depends on the magnitude of the change.

More

Awards

- 2014 GRE test score: Verbal 165 (95° percentile), Quantitative : 170 (98° percentile), Analytical: 4.0 (56° percentile)
- 2009 Italian Olympics of Mathematics: Gold
- 2008 Italian Olympics of Information Technology: Bronze
- 2006 Special mention in high school literary prize "Le ali dell'Ippogrifo"

Hackatons

- 12-13/12/15 H-Farm H-Ack Luxottica: ideas for the future of glasses.
- 19-20/03/16 H-Farm H-Ack Food: reinventing the 'Bio food' experience.