Francesco Dondi
Curriculum Vitæ

Resident 8810 Horgen, Zürich canton
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✉ francesco314@gmail.com
in francesco-dondi
👑 Born 1990, Italy, Italian citizen
➕ Swiss C permit until 30.09.27
🌐 German B2 planned Mar 2024

Professional Experience

03/2023 - 09/2023
DoubleCloud

Software Developer, Fully Remote

Maintained and developed the infrastructure around managed ClickHouse, in particular:

- Secured metrics server by adding Nginx
- Improved SaltStack configuration
- Solved bugs in Telegraf Go plugins

- C++
- Go
- Bash
- ClickHouse SQL
- Git
- Linux, Bash
- AWS storage
- Docker
- Jenkins CI
- Nginx
- SaltStack

06/2021 - 09/2022
Firebolt

Software Developer, Fully Remote

Maintained and 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

- C++
- Python
- Firebolt SQL
- Git
- Testing
- Jenkins
- Debugging
- AWS storage

08/2020 - 02/2021
F-Trust

Developer / Analyst, Zug / 50% Remote

- Maintained and developed a Trading Engine (C++)
- redesigned, implemented and migrated product storage (PostgreSQL)
- extracted and integrated data from multiple log streams
- analyzed said data to highlight opportunities for improvement (Julia)

- C++
- Julia
- PostgreSQL
- Git
- Data Science
- Linux
- Bash
- SSH
- VIM
- Screen

10/2017 - 05/2020
Google

Software Developer, Zürich / 10% Remote

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

- C++
- Python
- Google SQL
- internal
- Valgrind
- Flamegraph
- DevOps
- Design Docs
- Linux
- Bash
- Kubernetes
- Google Data Studio

04/2016 - 10/2017
Ascent Software

Software Developer, Luqa(Malta)

Bridging from internal API to new device API for automotive.

- C++
- Embedded development
- Agile development
- Git

04/2015 - 04/2016
Rulex Inc./CNR

Junior Developer, Genua (Italy)

Reworked C/MATLAB algorithms for OpenMP/CUDA parallelization

- C
- Nvidia CUDA
- MATLAB
- Python

Education

Formal education

2023 H1 **From Data to Decisions**, *Imperial College Business School*

2009–2015 **Galileian School of Higher Education**, *University of Padua*, 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, with added French and IT**, *Liceo E. Fermi*, Bologna, *100/100 cum Laude*

Continuous Learning

Nov 2023   **Business Intelligence for Consultants**, *Linkedin*, Gini von Courter, 3h 45m

Data types in Power BI. Visualizations in Power BI. Outcomes when changes are made within Power BI and Power BI Desktop. Dashboards vs reports within Power BI. User roles within a workspace in Power BI. Workspaces and tools within the Power BI mobile application.

○ ◐ Microsoft Power BI   ○ ◐ Data Visualization

Oct 2023   **Business Intelligence for Consultants**, *Linkedin*, Joshua Rischin, 29m

Determine the essentials of business needs. Recognize the fundamentals in reviewing source data. Break down the meaning behind data-driven insights.

○ ◐ Business Intelligence   ○ ◐ Data Visualization

Oct 2023   **Data Analytics for Business Professionals**, *Linkedin*, John Johnsond, 1h 16m

Explore examples of real-life analytics in action, distinguishing between predictive and prescriptive approaches, and learning how to formulate and pose your own questions. Find out how to collect, clean, and aggregate data from different sources across your organization, and identify when data is flawed.

○ ✿ Pandas   ○ ◐ Data Analytics
○ ✿ Databases   ○ ◐ Data Visualization

Oct 2023   **Excel: Economic Analysis and Data Analytics**, *Linkedin*, Michael McDonald, 2h 17m

Using regression analysis, confidence intervals, and forecasting tools with your company's key performance indicators (KPIs), building your skill set in data analytics to better meet the needs of your business.

○ ✿ Microsoft Excel   ○ ◐ Data Analytics
○ ◐ Economic Analysis   ○ ◐ Data Visualization

Oct 2023   **The Non-Technical Skills of Effective Data Scientists**, *Linkedin*, Keith McCormick, 44m

New data scientists must be able to empathize, persuade, and lead others if they want to successfully run projects that produce business transformation.

○ ◐ Business communication   ○ ◐ Data Science

Oct 2023   **Learning MATLAB**, *Linkedin*, Steven Moser, 1h 13m

How to harness the MATLAB tools and create programs to model your own data and hypotheses

○ ✎ MATLAB   ○ ◐ Data Processing

Feb 2023   **AWS Certified Solutions Architect - Associate (SAA-C02) Cert Prep: 1 Cloud Services Overview**, *Linkedin*, Tom Carpenter, 1h7m

Explore the benefits of cloud computing, the range of AWS services, the security solutions built into AWS, and the AWS regions and availability zones.

○ ✿ AWS Cloud   ○ ◐ Cloud Computing

Jan 2023   **DevOps Foundations: Going Cloud Native**, *Linkedin*, Karthik Gaekwad, 45m

The information senior executives —CTOs, vice presidents, and chief architects— need to know to embrace cloud native.

○ ◐ DevOps   ○ ◐ Cloud Development

Language

Italian	Mother tongue	
English	Advanced	*110/120 TOEFL, daily use*
German	Intermediate	*B2 level planned from Mar 2024*
French	Good	
Arabic	Beginner	*Wife teaching me*

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.