



Filippo Valle

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Home: [REDACTED] (Italy)

WORK EXPERIENCE

CTO

Elemento [07/2022 – Current]

City: Cuneo

Country: Italy

- Chief Technology Officer of the Elemento, a startup which wants to bring the cloud to the mainstream public making it easy, accessible and democratic.
- Developing a next-generation hypervisor called AtomOS

Postdoctoral Researcher

University of Turin [01/02/2023 – Current]

City: Torino

Country: Italy

Developing of Machine Learning and Statistical Physics tools for the study of genomic data.

Developer

Glifico [08/2017 – 31/12/2020]

Website: <https://glifico.com>

- developing the whole platform both the front-end using AngularJS and HTML and the backend with PHP, Postgres and Docker
- support costumers

Tutor

University of Turin [01/2017 – 06/2019]

Address: Turin (Italy)

Website: https://fisica.campusnet.unito.it/do/corsi.pl/Show?_id=1ebt

- assist professors during the set up of the experiments
- assist students during laboratory sessions
- assist students on data analysis using Root
- assist students during hands on session of C++

Internship

Swiss National Supercomputing Centre [09/2013]

Address: Lugano (Switzerland)

Website: <https://cscs.ch>

- developing model of cosmic rays' flux using parallel computing architectures

EDUCATION AND TRAINING

PhD in Complex Systems for Life Sciences

University of Turin [11/2019 – 31/01/2023]

Address: Turin (Italy)

Website: https://dott-scsv.campusnet.unito.it/do/studenti.pl/Show?_id=795411#profilo

Level in EQF: EQF level 8

- Complex Systems
- Data Mining
- Network's theory

Master degree in Physics of Complex Systems

University of Turin [09/2017 – 10/2019]

Address: Turin (Italy)

Level in EQF: EQF level 7

Thesis: A topic model approach reveals hidden structures in datasets of healthy and cancer tissues. Supervisors: M. Caselle and M. Osella.

Mark 110/110 cum laude and mention

Bachelor degree in Physics

University of Turin [09/2014 – 07/2017]

Address: Turin (Italy)

Level in EQF: EQF level 6

Thesis about developing a new method to monitor detectors at ALICE's CERN experiment. Supervisor: E. Vercellin and G. Fronzé.

www.infn.it/thesis/

Mark: 109/110

Summer study experience

Pitzer college [06/2012]

Address: Los Angeles (United States)

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

Machine Learning

Natural Language Processing / graph-tool / TensorFlow

Virtualisation

Virtualization (libvirt, KVM) / Red Hat

Visualisation

Affinity Designer / plotly / matplotlib

Version Control Systems

C++ / GitHub / git / GitLab

Systems

Docker / Ubuntu / Visual Studio Code

Cloud

Webex / Google Drive

Office

Apple Office (Pages Numbers Keynote) / Libreoffice

CONFERENCES AND SEMINARS

Statistical Inference Network Models

[07/2022]

Link: <https://sinm.network/sinm2022/>

iCSC

[Geneve]

I attended the inverted Cern School of Computing and help during C++ openMP hands-on session

ORGANISATIONAL SKILLS

Group Work

Work under pressure

I published on special-issues with strict deadlines

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- contact skill with younger students gained during my tutor position at university and assisting high school students at home

Blogging

I maintain a [Medium page](#) writing articles about my interests and many on them appeared on the famous page [Towards Data Science](#)

JOB-RELATED SKILLS

Job-related skills

- C++
- good command of software version control systems as git
- python, tensorflow, graph-tool
- docker

OTHER SKILLS

Other skills

- trumpet player
- learned how to solve Rubik's cube
- mountaineering: love trekking and skiing
- I am active in the open source community: especially on [GitHub](#)
- I wrote an app to [follow](#) the COVID-19 pandemic in Italy
- I pass the A1/A3 test to drive UAS (drones)

PRESENTATIONS

Presentations

Lesson at the local [Università della terza età](#) about the physics and the universe

I hereby authorize the use of my personal data in accordance to the art 3 Dlgs 196 of 30 June 2003 and GDPR 679/16 - "European regulation on the protection of personal data"

Alessandria, 01/02/2023

A handwritten signature in black ink, reading "Filippo Valle". The script is cursive and fluid, with the first name and last name clearly distinguishable.

Filippo Valle