

# Filippo Valle

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**Home:** [REDACTED] (Italy)

## WORK EXPERIENCE

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### 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: Turin

Country: Italy

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

### Cloud Architect

**Eventvm** [ 01/09/2023 – 31/01/2024 ]

City: Turin

Country: Italy

Website: <https://eventvm.it>

- help them to develop a scalable, multicloud, resilient back-end infrastructure
- coaching their CTO

### 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 ]

City: Turin

Country: Italy

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

City: Lugano

Country: Switzerland

Website: <https://cscs.ch>

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

## EDUCATION AND TRAINING

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### PhD in Complex Systems for Life Sciences

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

City: Turin

Country: Italy

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

City: Turin

Country: 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 ]

City: Turin

Country: 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/](http://www.infn.it/thesis/)

Mark: 109/110

### Summer study experience

**Pitzer college** [ 06/2012 ]

City: Los Angeles

Country: United States

## LANGUAGE SKILLS

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Mother tongue(s): **Italian**

## **Other language(s):**

**English**

**LISTENING** B2 **READING** B2 **WRITING** B2

**SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## **DIGITAL SKILLS**

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### **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**

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### **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**

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### **Group Work**

#### **Work under pressure**

I published on special-issues with strict deadlines

## **COMMUNICATION AND INTERPERSONAL SKILLS**

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### **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

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### Job-related skills

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

## OTHER SKILLS

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### Other skills

- trumpet player
- learned how to solve Rubik's cube
- mountainerring: 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

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### Presentations

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

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

Cuneo,



Filippo Valle

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