Curriculum vitae

PERSONAL INFORMATION

Filippo Valle

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EDUCATION AND TRAINING

Nov 2019–Present	**PhD in Complex Systems for Life Sciences**	EQF level 8

University of Turin, Turin (Italy)

- Complex Systems
- Data Mining
- Network's theory

Sep 2017–Oct 2019	**Master degree in Physics of Complex Systems**	EQF level 7

University of Turin, Turin (Italy)

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

Sep 2014–Jul 2017	**Bachelor degree in Physics**	EQF level 6

University of Turin, Turin (Italy)

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

www.infn.it/thesis/

Sep 2009–Jul 2014	**Liceo scientifico (High school)**	EQF level 4

Istituo Aldo Moro, Rivarolo Canavese (Italy)

High school focused on scientific topics, I attended course with more lessons about information technology

Jun 2012	**Summer study experience**

Pitzer college, Los Angeles (United States)

WORK EXPERIENCE

2019–Present	**Co-founder**

Elemento Modular Cloud
https://elemento.cloud

Aug 2017–Present	**Co-founder**

Glifico
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

Jan 2017–Jun 2019	**Tutor**

University of Turin, Turin (Italy)
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

Mar 2017–Jun 2017	**Tutor**

University of Turin, Turin (Italy)
https://fisica.campusnet.unito.it/do/storicocorsi.pl/Show?_id=e93c_1617

- assist students during hands on session of C++

Sep 2013	**Internship**

Swiss National Supercomputing Centre, Lugano (Switzerland)
https://cscs.ch

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

PERSONAL SKILLS

Mother tongue(s)   Italian

Foreign language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2
Cambridge First Certificate				

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages - Self-assessment grid

Communication skills

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

Organisational / managerial skills

- organisational skills (organise timetables during my tutorship)

- knowledge of Lean methods acquired during session organised by Leannovator

Job-related skills

- good command of software version control systems as git

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

European Computer Driving Licence Wolfram Student Certificate

- good knowledge of C++, Boost, openMP and Root
- good knowledge of Python (numpy, pandas, matplotlib, graph-tool, sklearn)

- good command of LaTeX
- reasonable knowledge of Wordpress, HTML, Angular, CSS, php and Docker
- attended courses using Mathematica and Java
- of course I can use Office suite
- let my GitHub account talk for me: https://github.com/fvalle1

Other skills	- trumpet player
	- learned how to solve Rubik's cube
	- mountainerring: love trekking and skiing
Driving licence	B

ADDITIONAL INFORMATION

Presentations	Lesson at the local University of the Third Age about the physics and the universe
Conferences	- inverted Cern School of Computing: I attended the school and help during openMP hands on session
	- Trento Innsbruck Quantum Information Tour: attended the event about quantum mechanics
Privacy	I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data"