

PAOLO VIVIANI

PhD, Research Engineer

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EDUCATION

M.Sc. in Theoretical physics

University of Torino, 104/110

2015 Collegio Universitario "R. Einaudi", Torino

Scholarship winner: "Piano Lauree Scientifiche 2008", granted by Società Italiana di Fisica.

Ph.D. in Computer Science

University of Torino, Computer Science Dept.

2015 – 2019 Torino, IT

Thesis: *Deep Learning at Scale with Nearest Neighbours Communications*.
Supervisor: Marco Aldinucci. Funded by Noesis Solutions.

Academic activity

- 11 publications on peer-reviewed computer science proceedings
- Program committee member in several conferences
- Co-supervisor of one M.Sc. Thesis

EXPERIENCE

Noesis Solutions

Research Engineer

April 2015 – Permanent Novara, IT

- Development of machine learning modelling methodologies for engineering.
- Development of high-performance numerical code.
- Cloud and container technologies exploitation.
- Supervision of one internship.
- Re-designed internal source code management workflow.

Funded research projects

Technical contact for the following research projects. Including presentation to European Commission reviewers.

- MACH – ITEA2 project
- Fortissimo 2 – H2020-FoF project
- CloudFlow – FP7-I4MS project
- Blockchain for online Service Security – IMEC-ICON Flemish project
- VaProFam – FlandersMake-ICON Flemish project
- DC-CDS – FlandersMake-ICON Flemish project

FREE TIME

Avid traveller and photographer.
Former track & field athlete, now turned to playground basketball.

paoloph.myportfolio.com

FIELDS OF INTEREST

High Performance Computing

Machine Learning

LANGUAGES

Italian ●●●●●
English ●●●●●
French ●●●●●

SKILLS

Parallel Computing ●●●●●
GPU Computing ●●●●●
Cloud technologies ●●●●●
Machine Learning ●●●●●

Programming

C++ ●●●●●
Python ●●●●●
MPI/OpenMP and other tools ●●●●●
CUDA ●●●●●
Git ●●●●●

You won't find any Java here, please desist.

Tools

MxNet ●●●●●
Keras ●●●●●
Apache Spark ●●●●●
Python Deployment ●●●●●
Numerical Libraries ●●●●●
Openstack ●●●●●
Docker ●●●●●

CISCO CCNA course completed in 2008.

Soft

Presentations ●●●●●
Communication of results ●●●●●
Factorization of problems ●●●●●
Time management ●●●●●
Workarounds ●●●●●

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