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

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

🏭 EXPERIENCE

Noesis Solutions

Reasearch 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	●●●●○
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	●●●●●