RESUMES

- PhD Giuseppe Fiameni -

CONTACT INFORMATION

Giuseppe Fiameni Via Valdossola 24/2 40134 Bologna Italy	**date of birth:** July 22nd 1977 **e-mail:** gfiameni@nvidia.com **mobile:** +39 349 87 51 249 **skype:** gfiameni **linkedin:** http://www.linkedin.com/in/giuseppefiameni

RELEVANT SKILLS

Deep Learning, AI, Solution Architect, High Performance Computing, Data Intensive Applications, Hybrid Systems Programming, Software Engineering, Technical Project Management.

PROFESSIONAL EXPERIENCE

Employers and Positions

NVIDIA Corporation

Solution Architect/Data Scientist   **November 2019 - present**

Role: Lead Engineer of the NVIDIA AI Technology Center - Italy
The NVIDIA AI Technology Centre (NVAITC) is a program to advance AI research in Italy through the adoption of NVIDIA technology. As lead engineer of the center I help Italian researchers adopt and select DL/ML frameworks, develop AI models, optimize workloads performance, scale model on multi-GPU systems, contribute to research discussion, and disseminate results.

CINECA – High Performance Computing Department

Leader of the "HPC services" group   **January 2011 – November 2019**

Role: Group Leader, Technology Consultant

The "*HPC services*" group (twenty members between Bologna and Roma) is responsible for the design and delivery of HPC services and applications to facilitate scientific communities and industries use CINECA computational and data resources. Delivered services span across different categories including data processing and analysis, machine and deep learning, cloud computing, remote visualization, scientific workflow execution, users authentication and authorization, resources monitoring and reporting. As leader of the group, I am responsible for activities planning, team coordination, priorities decision and budget monitoring. I am also involved in several EU and Italian projects as technology consultant and software engineer in different fields.

CINECA – Systems and Technologies

Member of the Middleware technology group　　**June 2007 - January 2011**

Role: *Technology Consultant, Solution Developer, Middleware expert*
Design, implementation and management of middleware software solutions (different technologies and programming languages) to permit use of CINECA computational and data resources.

CNR – National Research Center

Biomedical Technologies Institute　　**July 2005 - May 2007**

Role: *Technology Consultant and Solution Developer*
Design and implementation of bioinformatics application.

EDUCATION

Faculty of Engineering, University of Modena and Reggio Emilia, Italy

PhD in Computer Engineering　　2015 - 2019
Thesis title: *"Massive processing of large data sets through adopting Big Data technology"*
Tutor: *Prof. Ing. Sonia Bergamaschi*

Faculty of Science, University of Bologna, Italy

Master Degree in Computer Science   1997 - 2003

Thesis description: *"An agent-based system for the co-allocation of computational resources on a distributed system" Prof. Ing. Marco Roccetti*

PMI - Project Management Institute

PMP Certified - PMP Number: 1322639   2010

TECHNICAL SKILLS

Programming Language, Scripting & Library	Python, C MPI, OpenMP, CUDA, Numpy, Scipy, Pandas, R
Big Data platforms	NVIDIA RAPIDS, Apache Spark
Machine/Deep Learning	PyTorch, TensorFlow, Scikit-learn
Cloud Computing/Container	NVIDIA ENROOT, OpenStack, Docker, Singularity
Database management systems	MySQL, PostgreSQL, Elastic Search, Neo4j
Application Server	Apache Tomcat, Apache Web Server, Oracle OAS JBOSS

PERSONAL INFO

Languages	Italian, English: Fluent reading, writing and speaking

Other	Biking, Climbing, Music

PRIVACY STATEMENT

In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned decree.