


PERSONAL INFORMATION

Simone Bisogno

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Gender Male | Date of birth 10 April 1990

Nationality Italian



EDUCATION AND TRAINING

Feb 2018 - today

Master of Science in Computer Science

Università degli Studi di Salerno, Salerno, Italy

Cloud Computing Curriculum

- Concurrent, Parallel and Cloud Programming
- Numerical Methods for Computer Science
- Distributed Cloud Architectures

As a master student, among mandatory exams, I picked the following ones: *Automata, Languages and Computability*, *Web Data Integration*, *Numerical Methods for Computer Science*, *Data Compression*, *Quantic Information and Computation*

Sept 2014 - Feb 2018

Bachelor of Science in Computer Science

Università degli Studi di Salerno, Salerno, Italy

- Distributed Programming
- Software Engineering
- Numerical Analysis

As a bachelor student, I had four exams to choose: the ones I picked were *Numerical Analysis*, *Physics*, *Simulation* and *Security*

My bachelor thesis involved working on letting DMASON work on AWS EC2 infrastructure. DMASON is developed by Carmine Spagnuolo PhD as ISISLab affiliate

PERSONAL SKILLS

Mother tongue Italian

Other languages

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B1	B1	B2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](https://www.europecollege.edu/cefr/)

Communication skills

Team work: during my academical activities, I had several chances to work as part of teams, e. g. in **adbis** I dealt with DAO and routing

Organisation skills

When working over a project, I like to go beyond project scope to get a deeper comprehension of tools involved

Technical skills I know the following programming languages:

- **C:** Basic level
 - Known frameworks: MPI-C, CUDA-C
- **Java:** Good level
 - Specifications: Servlet, Java Server Pages (JSP), Enterprise JavaBeans (EJB), Java Persistence API (JPA), Java Message Service (JMS), Java Naming and Directory Interface (JNDI), Java Database Connectivity (JDBC), Java Remote Method Invocation (RMI)
 - Known framework libraries: Apache Maven, Apache Tomcat, Apache Hadoop, Apache Pig, Apache Commons, TomP2P
- **Scala:** Basic level
 - Fundamentals of Functional Programming: pure functions, higher-order functions, tail-recursion, covariance, variadicity, pure data structures, non-strictness, pure state
- **JavaScript:** Good level
 - Known frameworks libraries: jQuery, Node.js, Express (for routing)
- **PHP:** Basic level
 - Known framework: Flight (for routing)
- **SQL:** Basic level
 - Known dialect: MySQL
- **XML:** Good level
- **Bash scripting:** Good level

I'm able to use following technologies: **Docker, AWS** (in particular, EC2 and Lambda), **GPGPU, MPI, ORM, AJAX, Git, GitHub, Apache HTTP Server**

I'm confident to use following IDEs: **Eclipse, NetBeans, PHPStorm, Visual Studio Code**

ADDITIONAL INFORMATION

Academic projects

- **FLY Graph** The project for *Distributed Cloud Architectures* consisted in writing adapters for graph manipulation libraries like JGraphT (in Java) and NetworkX (in Python) and integrate them within FLY language, developed by ISISLab
GitHub link: <https://github.com/bissim/FLY-graph>
- **Jacobi-MPI** The project for *Concurrent, Parallel and Cloud Programming* consisted in solving a mathematical problem by using parallel paradigm; in particular, I was assigned the Jacobi Relaxation problem. The challenging part was not the parallel algorithm *per se* but automated deployment with Bash scripting over an AWS EC2 cluster.
GitHub link: <https://github.com/bissim/Jacobi-MPI>
- **bgp-d2** The project for *Advanced Operative Systems* exam consisted in analyzing an enormous quantitative of genomic sequences (in the order of dozens of GB) by using the framework Apache Hadoop to implement the D2 similarity measure in order to create a similarity matrix for input sequences
GitHub link: <https://github.com/bissim/bgp-d2>

Other job experiences

Jun 2019 - Oct 2019

Object-Oriented Programming, Help Teaching

Dipartimento di Informatica, Università degli Studi di Salerno, Salerno, Italy

In 36 hours, I tutored undergraduate students in Computer Science to pass the written part of the Object-Oriented Programming exam.

Training courses

Feb 2019 - Mar 2019

Formazione lavoratori rischio basso

Università degli Studi di Salerno

The course lasted 8 hours, according to Italian D. Lgs. 81/08 and further modifications and to Nation-Regions Agreement contracted in December 21st, 2011.

Sensitive data

I give consent to handle my sensitive data according to Italian Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".

Signature 