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*, *Quantistic 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 Doctor Carmine Spagnuolo as ISISLab affiliate

PERSONAL SKILLS

Mother tongue   Italian

Other languages

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

English

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

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, in **brs** I studied porting Java library to Vala

Organisation skills   When working over a project, I like to go beyond project scope to get a deeper comprehension of tools involved, e.g. in **brs** I found a way to port Java code to C (by using an intermediary language) and presented it to my project team

| 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
- **Scala**: basic level
  - Fundamentals of Functional Programming: pure functions, higher-order functions, tail-recursion, covariance, viariadicity, 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

I'm able to use following technologies: **Amazon EC2**, **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) in order to work for FLY language, developed by ISISLab
  GitHub link: `https://github.com/bissim/FLY-graphs`
- **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`
- **adbis** The project for *Web Data Integration* exam consisted in gathering information from three different websites about ebooks (selling and indexing). Application backend was based on router design pattern, implemented in object-oriented PHP7
  GitHub link: `https://github.com/bissim/adbis`
- **brs** The project for *Data Compression* exam consisted in porting an existing MPEG scrambling implementation from Java to C and furtherly optimize it according to MPEG features
  GitHub link: `https://github.com/bissim/mpeg-scrambling`

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 course.

Attended seminaries
Jan 2019

Bibliometrical analysis of publications (WOS/SCOPUS)

Università degli Studi di Salerno, Salerno, Italy

Goal of this seminary is to teach how to make use of Web of Science and Scopus bibliographic and bibliometrical databases

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 . . . .