

PERSONAL INFORMATION


Salvatore Zagaria

 Via dell'Unità d'Italia 1/1, Ferrandina (MT), CAP 75013, Italy

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Sex M | Date of birth 15/10/1992 | Nationality Italian

OCCUPATION FIELDS

Software engineering, Software development

WORK AND LAB
EXPERIENCES

May 2016 – August 2016

Research Collaborator

SisInfLab - Information System Laboratory – Polytechnic University of Bari
Via Edoardo Orabona, 4 - 70126 Bari (BA) - Italy

Implementation of an Android App to interface a back-end server which deals with recommendation systems

June 2017 – September 2017

Research Collaborator

Industrial Informatic Laboratory – Polytechnic University of Bari
Via Edoardo Orabona, 4 - 70126 Bari (BA) - Italy

Implementation of an image classifier and a face recognizer using Deep Neural Networks in the MATLAB environment.
Attempt to modify the Alexnet DNN.

March 2018 – June 2018

Visitor

Knowledge Media Institute – The Open University, Walton Hall, Kents Hill, Milton Keynes MK7 6AA

Implementation and improvement of the Klink algorithm (Enrico Motta, Francesco Osborne) in Python.
Graduation thesis work.

August 2018 - Present

International Graduate Consultant

AKKAdemy – AKKA Technologies – Geneva, Switzerland

Working as a consultant at the AKKA Space Camp in Cannes (FR) on secondment, after the first month of training in Geneva.

EDUCATION AND TRAINING

2012 – 2016

Bachelor's Degree in Computer Science and Automation Engineering

Polytechnic University of Bari

Software engineering, Telecommunication networks, Information systems, Data base, Operating systems, Computer architectures, Fundamentals of electronics, Business and economics organisation, Fundamentals of measurement, Analysis and design of control systems, Fundamentals of Telecommunication, Numerical calculation.

Thesis title: Implementation of Android App with run-time checking of the pre-post conditions

Scope of the thesis: Software engineering, Self-adaptive systems

2016 – 2018 Master's Degree in Computer Engineering

Polytechnic University of Bari

Advanced software engineering (30/30 cum laude), Internet of things (30/30), E-business models and business intelligence (27/30), Data security (30/30), Dynamic Systems Theory (30/30 cum laude), Formal languages and compilers (28/30), Image Processing and Artificial Vision (30/30), Systems and Measures for the Artificial Lighting (30/30)

Thesis title: Klink – an automatic approach to generate ontologies of research areas

Scope of the thesis: Data Analysis, Implementation and refinement of the Klink Algorithm (Enrico Motta, Francesco Osborne), Prediction and analysis of scientific papers' topics.

The work was written at the Knowledge Media Institute of the Open University of Milton Keynes (United Kingdom), as a result of a scholarship got by Polytechnic University of Bari

Final graduation grade: 110/110

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	C1	B2	C1
French	A1	A1	A1	A1	A1

Communication skills

- good communication skills gained through my different experiences with teams of 2 or 3 people for the university projects and through my current experience at the Knowledge Media Institute working in a team and in a working environment
- good communication skills gained through many experiences as a musician and as a football player

Technical skills and competences

- good attitude to find architectural solution
- good knowledge of programming languages: Java (Android), Python (many application), MATLAB (good knowledge of the development environment, experience with Deep Neural Network), PHP
- good knowledge of SQL query language, experiences with MySQL and No-SQL databases (MongoDB)
- current experience with data analysis and knowledge representation tools at the Knowledge Media Institute. Knowledge of supervised and unsupervised learning technics, as well as Prolog and R languages
- good knowledge of Linux environment and Bash
- good knowledge of Docker

Other skills

- music: many years of experience as multi-instrumentalist, good knowledge of the music theory and experiences with music production tools

Driving licence B

ADDITIONAL INFORMATION

Projects

- Thief protection: IoT project using MySQL, Python, PHP, Java (Android) and a magnetic sensor
- Chat app: Data security project using MySQL, PHP, Java (Android), Google's Firebase
- E-commerce system: building of a microservices architecture and interfacing it using Python, MongoDB, Docker, JSON, Java (Android), RESTful paradigm
- Classification of images and faces recogniser and classifier using MATLAB and Deep Neural Networks
- Nanosat: merging satellite with social. Ideation phase.

Certificates

- 42 hours of Learn Python Programming Masterclass (online Udemy.com course)
- 4 hours of Django 2.1 - Python Web Development for Beginners (online Udemy.com course)