

PERSONAL INFORMATION



Valentina Scardigno

📍 San Giorgio Ionico (TA), Italy
 ✉ valentina.scardigno1@gmail.com

Sex Female | Nationality Italian

EDUCATION AND TRAINING

2017 – 2020

Master of Science in Computer Engineering

University of Salento, Lecce (Italy)

Final Mark: 110/110 cum laude (with honors)
 Master Thesis in High Performance Computing
 Thesis title: A TreeTalkerFire-based IoT system for fire danger prevention and monitoring
 Supervisor: Giovanni Aloisio (Full Professor)

- Course held entirely in English
- Course of study that aims to deepen the different application areas of Computer Engineering (Data Science, Software Engineering, Network Technologies, Robotics and Controls, Parallel and High-Performance Computing)

2013 – 2017

Bachelor's Degree in Information Engineering

University of Salento, Lecce (Italy)

Final Mark: 104/110
 Experimental Thesis in Software Design Principles
 Thesis title: Experiment of a Blockchain for the Internet of Things: Use Case
 Supervisor: Luca Mainetti (Full Professor)

- Course of study that aims to provide adequate knowledge both in basic subjects such as mathematics and physics and in the field of Computer, Electronic, Telecommunications and Automatic Engineering.

2008 – 2013

Environmental Scientific High School Diploma

Liceo Statale Archita, Taranto (Italy)

Final Mark: 100/100 cum laude

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B2	B2	B1
Cambridge ESOL Entry Level Certificate in ESOL International					

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

- Advanced communication skills developed during my experience in the university environment.

Organizational / managerial skills

- Good organizational and managerial skills, thanks to my experience of collaborating with other students for the development of university projects

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
 Digital skills - Self-assessment grid

ECDL (European Computer Driving Licence)

Acquired computer skills:

- Good knowledge of the programming languages Python, Java, C ++, C, JavaScript, etc.
- Professional knowledge of the design and implementation of a relational database (MySQL, Access)
- Strong background in Time Series Databases (InfluxDB, Prometheus) for managing data from wireless sensors
- Excellent competence in the InfluxQL query language for space-time data aggregations on the fly
- Web API and InfluxDB API
- Good knowledge of the opensource Kapacitor processing framework in creating alerts
- Strong capability with the Grafana open source multiplatform for monitoring and interactive visualization of time metrics
- Extract / Transform / Load (ETL) procedures for collecting data from sources and their subsequent organization and centralization in a single repository
- IoT data platforms (TreeTalker sensors)
- Agile / Scrum competence
- Framework for web and mobile apps like Angular, Flutter, etc.
- Design and UML
- Blockchain and Smart Contracts
- Operating Systems (Windows, Linux, Mac OSX)
- Excellent use of Office tools (Word, Excel, PowerPoint) acquired in relation to the achievement of the ECDL

ADDITIONAL INFORMATION

Projects

- Master Thesis in Computer Engineering “A TreeTalkerFire-based IoT system for fire danger prevention and monitoring”, 2020.
- Experimental Thesis in Information Engineering “Experiment of a Blockchain for the Internet of Things: Use Case”, 2016.
- Software Engineering project for the design and development of a web and mobile app for the management of goods and services, 2020.
- Robotics project “Mecanum Wheeled Rover: a ROS implementation”.
- Business Intelligence project “Part of Speech Tagging”.
- Advanced Control Techniques project “Development and Implementation of a Trajectory Planning node in ROS”.
- Image Processing project “Real time face recognition and emotion detection”.
- High Performance Computing project “IoT platform for olive groves monitoring”
- High Performance Computing project “Monitoring of application and infrastructural metrics with Grafana”

Conferences
 Certifications

- IEEE International Conference on Advanced Video and Signal-based Surveillance (AVSS), 2017
- Certificate on "LA FORMAZIONE GENERALE SUI TEMI DELLA SALUTE E SICUREZZA SUL LAVORO"

According to privacy laws (L.D. 196/2003), I authorize the collection of my personal data. I will provide the courses documentation if necessary and anything that might be useful to support the information contained in this résumé.

Date: November 16, 2020

Valentina Scardigno