

PERSONAL INFORMATION

Gioele Bigini



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-  Whatsapp e Telegram
-  LinkedIn \_\_\_\_\_
-  Github \_\_\_\_\_

Sex M | Date of birth | Nationality ITALIAN

CURRENT STUDIES

ICT Double Degree in Data Science, Innovation & Entrepreneurship  
EIT Digital Academy

PROFILE

Data Scientist

WORK EXPERIENCE

(01/2019 – Present)

**Data Scientist Intern**

SmartRoadSense is part of the H2020 project Crowd4Roads, now a start-up led by Alessandro Bogliolo, Professor at University of Urbino. The platform collects data from mobile devices with the final goal of providing relevant information about roads' deterioration. However, the geo-spatial data produced by SmartRoadSense can be useful for several research projects.

Employer's Name: PROF. ALESSANDRO BOGLIOLO

Locality: UNIVERSITY OF URBINO, URBINO, ITALY.

Activities carried on during the experience:

- Designing solutions with Spark
- Google DataProc Cluster
- Analytics
- Research

Business\Sector Research

(02/2017 – 09/2017)

**Database Analyst & Software Developer**

Employer's Name: MATTEO TAGLIABRACCI

Locality: NETLEVEL, COLBORDOLO, ITALY.

Activities carried on during the experience:

- Android applications development (Android Studio)
- PHP API development for Android Apps
- Web Application management (written in Visual Basic)
- Data manipulation for MySQL and Microsoft SQL Server

Business\Sector Insurance & Banking

(06/2016 – 09/2016)

**Erasmus+ Traineeship through Scholarship on Summer 2016 – United Kingdom**

Inside the **European Project Crowd4Roads** (in which the Coventry University is the UX/UI designer partner of the University of Urbino), I have experienced the Software Designer job, immersing myself in the new concept approached by a lot of innovative business areas today: the Gamification.

Employer's Name: DR. SYLVESTER ARNAB <https://sylvesterarnab.com/>

Locality: DISRUPTIVE MEDIA LEARNING LAB, COVENTRY UNIVERSITY, COVENTRY, UK.

During the traineeship I worked to my dissertation and acquired the following skills:

- Research
- Gamification
- UX Design through Photoshop
- Mock-up design of mobile applications

Business\Sector Research

(2012 - 2016)  
(07/2011 – 08/2011)  
(07/2010 – 08/2010)

### Computer Tech

Employer's Name: LORIS FRATERNALE

Locality: LORISYSTEM EUROPE SRL, URBINO, ITALY.

I still keep a casual relationship with the company having established a good relationship with the Chief Tech.

The internship included:

- Consultancy and sale of personal computers
- Advice and sales of hardware for personal computers
- Assistance and repair of personal computers and photocopiers

Acquired Skills:

- Continuous updates to new technologies
- Identification and resolution of software problems
- Communication with customers and sales

Business\Sector Commerce

(2012 - 2017)

### Summer Camp Organizer

Locality: PARROCCHIA SS. ANNUNZIATA, URBINO, ITALY.

The activity is ongoing throughout the year in which meetings for teenagers are organized. The activity ends up in a summer camp in different areas of Italy (every time different). I stopped my involvement last year because of my studies. Unfortunately, after my departure the activity failed. I was coordinating a team of 15 people with other two colleagues.

Facebook page: <https://www.facebook.com/TeenCampUrbino/> (You have to be logged in)

Acquired Skills:

- Management of large groups of people
- Work and staff organization
- Public relations care

Business\Sector Volunteering

## EDUCATION AND TRAINING

(2017 – Present)

### ICT Double Degree - Data Science, Innovation & Entrepreneurship

EQF Level: 7

Student of the **EIT Digital Academy**. The ICT Innovation Double-Degree programme combines a major in Data Science with a minor in Innovation & Entrepreneurship.

### M.Sc. Computer Science & Engineering

Obtained at **POLYTECHNIC UNIVERSITY OF MILAN, MILAN**. (*Ongoing*)

### M.Sc. Informatics Engineering

Obtained at **POLYTECHNIC UNIVERSITY OF MADRID, MADRID, JULY 18<sup>th</sup> 2019**.

Thesis written with the IT Research Unit at the University of Urbino:

A General Approach to Value Identification of Large Scale Geospatial Data  
Supervisor:

Ernestina Menasalvas, Universidad Politécnica de Madrid, Madrid, Spain.

[https://es.wikipedia.org/wiki/Ernestina\\_Menasalvas](https://es.wikipedia.org/wiki/Ernestina_Menasalvas)  
[ernestina.menasalvas@upm.es](mailto:ernestina.menasalvas@upm.es)

Companies I collaborated with (during these two years):

- **IBM** (Segrate)
- **COMUNICA+A** (Madrid)

Most faced subjects:

- Machine Learning
- Data Mining
- Massively Parallel Machine Learning (Spark)
- Data Analysis
- Recommender Systems
- Strategy & Marketing
- Business Innovation
  - Overcoming the Fake News (IBM)
  - A new Solution for Digital Signage (COMUNICA+A)
  - BrightEYEd – Manage your clinical records with the Blockchain
- Large Scale Data Management (Zookeeper, Kafka, HBase)

(2013 – 2017\*) **B.Sc. Applied Informatics**

EQF Level: 6

Obtained at UNIVERSITÀ DEGLI STUDI DI URBINO CARLO BO – URBINO \*(All the exams have been passed within the prescribed period of time)

Final Grade: 105/110

Dissertation written abroad (Coventry University, UK):

Gamification Techniques and Engagement Strategies: Toward a unified approach for Gamification

Dissertation Supervisor:

Prof. Alessandro Bogliolo, University of Urbino, Urbino, Italy. [alessandro.bogliolo@uniurb.it](mailto:alessandro.bogliolo@uniurb.it)

Most faced subjects:

- Computers architecture
- Algorithms and data structures
- Operating systems
- Software engineering
- Cloud y big data
- Modelling and Verification of software systems
- Procedural and Logic programming
- Distributed Systems
- Data Bases

(2008 – 2013) **Electronics and Telecommunications Engineering Technician**

EQF Level: 4

Obtained at ISTITUTO TECNICO INDUSTRIALE STATALE ENRICO MATTEI - URBINO

Vote: 92/100

Final project:

3D Led Cube Microcontroller Controlled

Most faced subjects:

- Analog electronics
- Digital electronics
- Electronic systems and microcontrollers programming

Acquired skills:

- Design of electronic circuits
- Analysis/Identification/Resolution of electronic problems
- Teamwork

OTHER EDUCATION

(07/2018 – 08/2018)

EIT Digital Summer School – Internet of Things and Business Transformation

Locality: KTH/ERICSSON, STOCKHOLM, SWEDEN

Business Idea: NiceBeat, the wristband to predict cardiac attacks

2<sup>nd</sup> Place for the Best Business Idea

Obtained Certification: **Internet of Things and Business Transformation**

(09/2015 – 02/2016)

Erasmus+ Experience through Scholarship – 1<sup>st</sup> Semester 2015/2016 - Spain

Locality: UNIVERSIDAD COMPLUTENSE DE MADRID, MADRID, SPAIN

Faculty: COMPUTER SCIENCE & ENGINEERING

Faced subjects (validated):

- Distributed Systems
- Computer Networks
- Cloud and Big Data
- Electronics

PERSONAL SKILLS

Mother tongue(s)

ITALIAN

Other language(s)

ENGLISH

**IELTS Certification.** Score: 7. Overall Level: C1

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
SPANISH	C2	C1	C1	B1	A2
<b>Erasmus+ OLS Certification.</b> Overall Level: B2					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Personal Skills

**Communicative skills:** I am generally involved in citizen activities and volunteering activities and constantly in contact with people of all ages. The multicultural context I faced during these years taught me how to interact with any person I met, so predict and accommodate him. My spirit often bring me to get the leadership in a team.

**Relational skills:** the passion led me often to leave familiar contexts that could make my life easier. I've done everything in relation to my passion, whatever was the price to pay. This led me to having to start every time my personal relations from scratch. Thanks to this way to act I got my results today.

**Management skills:** The EIT Digital Academy taught me to think as a Project Manager, handling innovative projects from the bare idea to the final solution, taking care of the schedules and resources needed in order to bring them to life. I had some collaboration with companies: IBM and COMUNICA+A.

Job-related skills (Major PLs)

- Python
- Java
- C#
- C
- SQL

Job-related skills (Frameworks)

- Apache Spark
- Apache Flink

## Job-related skills (Areas)

- Machine Learning
- Data Analytics
- Distributed Programming
- Big Data
- Data mining