

## CAREER PROFILE

I'm a 26 years old Computer Engineer who like computer science and problem solving. I'm passionate about Artificial Intelligence.

I'm a good listener with a curious mind.

## EDUCATION

**MSc in Computer Science and Engineering**  
University of Bologna, Cesena Campus

2019 - 2023

- Thesis:
- Grade:
- CFU achieved: 128/120
- Class: LM-32 Computer Engineering

**BSc in Computer Science and Engineering**  
University of Bologna, Cesena Campus

2015 - 2019

- Thesis: "Studio del segnale sonoro tramite l'analisi di Fourier e sintesi musicale"
- Grade: 95/110
- CFU achieved: 180/180

**Scientific High School Diploma**  
Liceo Scientifico Albert Einstein, Rimini, Italy

2010 - 2015

- Grade: 100/100
- Languages (English and Spanish)

## EXPERIENCES

**Tutor**  
Ragazze digitali ER Project

September, 2023

Ragazze digitali ER is a project whose main objective is to introduce girls of high schools to information technology and programming in a fun and creative way, thus helping to reduce the digital gender gap.

## CERTIFICATIONS & ACHIEVEMENTS

**Winner of Guido Paolucci scholarship** - Scholarship funded by BCC Gradara (Riviera Banca) which rewards the best students of middle and high schools in the area between Pesaro and Rimini. School year 2009/2010.

**Attendance at The Tenth World Conference on The Future of Science** - The conference was about the eradication of hunger and how science and technology can contribute to solve this problem. Venice, September 2014

**B2 First (FCE), Cambridge Assessment** - May, 2014

## PROJECTS

Here some relevant projects are listed, included my theses. See also my github for more.

**Explainable AI a supporto delle diagnosi mediche** - Research Thesis for my MSc degree (In progress)

**Studio del segnale sonoro tramite l'analisi di Fourier e sintesi musicale** - Thesis for my BSc Degree

**Underwater Image Enhancement with Reinforcement Learning** - University project - Deep Learning Exam

**Sudoku** - University project - Scala and Prolog languages

## PUBLICATIONS

Nothing to see here at the moment.



**Silvia Zandoli**

Computer Engineer

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 silviazandoli

### EDUCATION

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### LANGUAGES

Italian (Native)

English (B2 - Certified by University of Bologna)

Spanish (B2)

### PERSONAL & HOBBIES

Driving License B.

Aerial Sports (Aerial Silks and Aerial Hoop)

Classical Guitar

Photography and Drawing

## SKILLS

- **Machine Learning and Deep Learning:**
  - *Python* (Pandas, Numpy, SkLearn, Matplotlib).
  - *Frameworks* (OpenCV, Keras).
  - *Explainable AI* (SHAP, LIME).
- **Database Management Systems:**
  - *Relational DBMSs* (SQL, MySQL, Oracle, Microsoft Access).
  - *NoSQL DBMSs* (MongoDB).
- **Computer Programming:**

Object Oriented design, distributed systems, concurrent programming, functional and logical programming.

  - *Programming Languages:* Java, Scala, Python, Matlab, C#, Prolog, C, C++, SPARQL, SQL, Lua.
  - *Concurrent Programming:* Actors and Agents base languages/frameworks. Akka.
  - *Software engineering :*
    - *Development techniques:* Git.
    - *Build systems:* Gradle, Maven.
    - *CI:* TravisCI.
- **Web Development:**
  - *Web servers:* Apache Tomcat.
  - *CMS:* Wordpress.
  - *Web programming languages :* CSS, HTML, JavaScript, Node, Vue, PHP, Angular.
  - *Markup languages :* XML, HTML, Markdown.
- **Operating Systems and Hardware:**
  - Windows and Linux installation and configuration, shell scripting.
  - Assembly language, good knowledge of Internet and computer network, basic knowledge of telecommunication networks.