



# Matteo Vanzini

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## CONTACTS

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## LANGUAGE

Italian - native language  
English - good knowledge

## EXPERIENCE

### PHD STUDENT IN CDS AT UNIVERSITY OF MODENA AND REGGIO EMILIA

November 2022 - present

PhD in "COMPUTER AND DATA SCIENCE FOR TECHNOLOGICAL AND SOCIAL INNOVATION": data management, analytics and intelligent AI-based knowledge extraction for multilingual and multi-alphabetic heritages

### SOFTWARE DEVELOPER - MIM. FSCIRE SRL

January 2021 - January 2022

DigitalMaktaba project in collaboration with the University of Modena and Reggio Emilia

Development of techniques based on artificial intelligence for the management of multilingual and multialphabetic bibliographic assets

### INTERNSHIP - UNIVERSITY OF MODENA AND REGGIO EMILIA

October 2019 - February 2020

Thesis work on development of a medical data storage with relative web interface to manipulating the collected data.

### MASTER'S DEGREE IN COMPUTER ENGINEERING

Curriculum: Data Engineering and Analytics

University of Modena and Reggio Emilia

September 2020 - October 2022

- In-depth study of topics related to the big data scope
- Study of python libraries related to dataset manipulation

### BACHELOR'S DEGREE IN COMPUTER SCIENCE

University of Modena and Reggio Emilia

September 2016 - April 2020

- Python, C, C++, Java, SQL, HTML, CSS, Javascript
- Web Application development with Django or Flask framework
- Use of Database as PostgreSQL and MongoDB
- Development of numerous projects

## PUBLICATIONS

### A tool for semiautomatic cataloguing of an islamic digital library: a use case from the Digital Maktaba project

R. Martoglia, L. Sala, M. Vanzini, R. A. Vigliermo

3rd Conference on Digital Curation Technologies (Qurator 2022), Berlin, Germany, 2022

### Novel Perspectives for the Management of Multilingual and Multialphabetic Heritages through Automatic Knowledge Extraction: The DigitalMaktaba Approach

S. Bergamaschi, S. De Nardis, R. Martoglia, F. Ruozzi, L. Sala, M. Vanzini and R. A. Vigliermo

Sensors, 22(11), 2022

### Preserving and conserving culture: first steps towards a knowledge extractor and cataloguer for multilingual and multi-alphabetic heritages

S. Bergamaschi, S. De Nardis, R. Martoglia, F. Ruozzi, L. Sala, M. Vanzini and R. A. Vigliermo

ACM International Conference on Information Technology for Social Good (GoodIT), Rome, Italy 2021