



Luca
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DATE OF BIRTH:
19/04/1988

CONTACT

Nationality: Italian

Gender: Male



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ABOUT ME

I am a post-doctoral research fellow at Università di Modena e Reggio Emilia. I pursued a Ph.D. in ICT by focusing my studies on distributed Big Data integration techniques.

WORK EXPERIENCE

01/12/2019 - CURRENT - Modena, Italy

Postdoctoral research fellow

Università degli Studi di Modena e Reggio Emilia

The research project goal is the development of a platform called LigAdvisor that will help researchers to perform studies on drug repurposing. In this project, I worked on the development of both frontend and backend of the platform.

I integrated data coming from different data sources and I designed a relational database to store them.

The frontend is developed with Angular2 and Bootstrap, while the backend with Flask and PostgreSQL.

02/2020 - 06/2020 - Mantova, Italy

Adjunct lecturer

Università degli Studi di Modena e Reggio Emilia

Lecturer of the laboratory course "Basi di dati" of bachelor degree in Computer Engineering.

I made exercises on E-R modeling, logical design and SQL.

I took care of the laboratory course in SQL language by using Microsoft SQL Server environment.

02/2019 - 06/2019 - Reggio Emilia, Italy

Teaching assistant

Università degli Studi di Modena e Reggio Emilia

Teaching assistant for the course "Sistemi informativi e basi di dati" of bachelor degree in Management Engineering.

I took care of the laboratory course in SQL language by using Microsoft SQL Server environment.

05/2015 - 11/2016 - Modena, Italy

Research fellow

Università degli Studi di Modena e Reggio Emilia

The main work was the development of a web application for business intelligence to build interactive charts and maps on the data coming from the MOMIS data integration system developed by the DBGroup.

The platform was mainly developed in Java/Javascript.

EDUCATION AND TRAINING

2016 - 2019 - Modena

PhD

Università degli Studi di Modena e Reggio Emilia

During my Ph.D., I worked on techniques for Big Data Integration in Distributed Computing Environments.

My main work was the development of an open-source framework to perform Entity Resolution on a large amount of data by using Apache Spark.

11/2011 - 04/2015 - Modena

- **Master's Degree in Computer Engineering**
Università degli Studi di Modena e Reggio Emilia

110/110

2007 - 2011 - Modena

- **Bachelor's Degree in Computer Engineering**
Università degli Studi di Modena e Reggio Emilia

93/110

2002 - 2007 - Carpi, Italy

- **Secondary School Diploma in IT**
ITIS Leonardo Da Vinci

90/100

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

English

Listening
B1

Reading
B1

Spoken
production
B1

Spoken
interaction
B1

Writing
B1

DIGITAL SKILLS

Java | JavaScript | Angular2+ | HTML | SQL | Python | Scala | PHP | Windows | Linux | Apache Spark

PUBLICATIONS

- **RuLER: Scaling Up Record-level Matching Rules**
2020 <http://ceur-ws.org/Vol-2646/27-paper.pdf>
- **Scaling entity resolution: A loosely schema-aware approach.**
2019 <https://www.sciencedirect.com/science/article/pii/S0306437918304083>
- **Sparker: Scaling entity resolution in spark**
2019 https://iris.unimore.it/retrieve/handle/11380/1173396/214576/EDBT19_paper_347.pdf

DRIVING LICENCE

- Driving Licence: B