

# Luca Mariotti

## Curriculum Vitae

---

### Work Experience

**06/2023 - Now Research Grant Holder**

*University of Modena and Reggio Emilia*

Group leader: Federica Mandreoli

Topic: Machine Learning, Data Mining, Large Language Model, Graph Analytics

**05/2023 - 06/2023 Adjunct Professor**

*University of Modena and Reggio Emilia*

Subject: Databases

Topic: SQL, DBMS, Trigger, Relational algebra, Relational model

**06/2022 - 06/2023 Research Grant Holder**

*University of Modena and Reggio Emilia*

Group leader: Federica Mandreoli

Topic: Machine Learning, Data Mining, HRM, Graph Analytics

**12/2021 - 04/2022 Curricular Internship**

*University of Modena and Reggio Emilia*

Group leader: Riccardo Martoglia

Topic: Graph Analytics, Big Data Analytics, Data Mining

**03/2019 - 06/2019 Curricular Internship**

*University of Parma*

Group leader: Alessandro Dal Palu

Topic: Data Mining, Algorithm, Graph Analytics

---

### Education

**04/2022 Master Course in IT, 110/110 cum Laude**

*University of Modena and Reggio Emilia*

Thesis: "Research of the most influential users of Twitter in the pandemic period and analysis of their contribution using Text and Graph Analytics techniques"

Supervisor: Prof. Ricardo Martoglia

## 07/2019 Bachelor Course in IT, 104/110

*University of Parma*

Thesis: "Analysis of student performance with graph algorithms"

Supervisor: Prof. Alessandro Dal Palu

---

## Publications:

Web pages [Iris Unimore profile](#)

## 09/2022 On Designing a Time Sensitive Interaction Graph to Identify Twitter Opinion Leaders

*Marco Furini, Luca Mariotti, Riccardo Martoglia and Manuela Montangelo*

2nd ACM Conference on Information Technology for Social Good, GoodIT 2022 ([link to the conference program](#)).

---

## Research interests:

- Graph Analytics
- Big Data Analytics
- Automated ML
- Language Models
- Knowledge Graph Analytics

---

## Participation at conferences, courses and seminars

### 09/2022 2nd ACM Conference on Information Technology for Social Good, GoodIT 2022

*Limassol, Cyprus*

September 7 - 9.

Site: <https://cyprusconferences.org/goodit2022/>

**Talk:** On Designing a Time Sensitive Interaction Graph to Identify Twitter Opinion Leaders

### 09/2022 Seminar at the University of Parma

**Presentation of a prototype for student career monitoring**

---

## Skills

**Computer Skills** Python, noSql, Sql, C, Matlab, C++, Java, Javascript, PHP

**Foreign Language Skills** **English:** Intermediate (B1)

What is stated in this curriculum vitae is true in accordance with articles 46 and 47 of the Italian Presidential Decree (D.P.R.) 445/2000.

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.

Modena, 05/04/2023