

# FABIO CIMMINO

## PERSONAL DETAILS

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Birth: December 15, 1996

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Github: [github.com/FabioCimmino](https://github.com/FabioCimmino)

## EDUCATION

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**Università degli Studi di Milano-Bicocca**

Milano, IT

*Master in Computer Science*

*October 2018 – Present*

*Department of Informatics, Systems and Communication (DISCo)*

**Università degli Studi di Milano-Bicocca**

Milano, IT

*Bachelor in Computer Science, 104/110*

*October 2015 – October 2018*

*Department of Informatics, Systems and Communication (DISCo)*

## EXPERIENCE

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**Internship for master's degree**

July 2020 – Present

*UNIMIB - Multimedia Signal Processing Laboratory*

- The goal of this internship is to design and implement a Deep Learning approach for the analysis of electroencephalographic signals (EEG) in order to distinguish real movements of one or more subjects from imaginary movements, as well as the type of movement (e.g. movement of the left hand rather than the foot).

**Adjunct professor for the bachelor's degree in Mathematics course**

February 2020 – June 2020

*UNIMIB - Department of Mathematics and Applications*

- Tutor for laboratory lessons in the course "Laboratorio di matematica ed informatica". I have done exercises on Java programming, answering students' doubts and questions.

**Internship for bachelor's degree**

February 2018 – September 2018

*UNIMIB - Models in Decision Making and Data Analysis Laboratory*

- I have implemented an Ensemble Learning method that allows to reduce the noise sensitivity related to language ambiguity and therefore to provide a more accurate prediction of polarity. The proposed ensemble method is based on Bayesian Model Averaging, where both uncertainty and reliability of each single model are taken into account.

## PROJECTS

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**Content-Based Fashion Image Retrieval | Python, Keras**

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- I have realized a system which allows the retrieve of the similar images given a query image. Given an image, it is classified with a Convolutional Neural Network and then the most similar images are returned according to different methods of features extraction (SIFT, Daisy, Deep Method, color based).

**Search engine for microblog contents | Java, Apache Lucene, Spring**

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- The goal of this project is to develop a personalized search engine for microblog contents. The search for terms can be both simple and customized based on a user profile. The user will be provided with a ranking of results based on topical relevance and other dimensions of relevance.

**TripAdvisor rating predictions | R, R Shiny**

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- This project proposes the development of a model based on a Bayesian network capable of classifying (from 1 to 5 stars) the reviews provided by users relating to stays at a hotel.

**Best Meeting Point For Group | Java, Android**

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- An Android app has been developed that allows a group of people to choose a place where they are comfortable to reach equally for all participants.

- Architectural smells are symptoms of bad code or design that can cause different quality problems, such as faults, technical debt, or difficulties with maintenance and evolution. In this project I propose a different machine learning models which predict architectural smells based on dependency features.

## TECHNICAL SKILLS

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**Languages:** C/C++, Java, Python, Matlab , R, MySQL, HTML/CSS

**Frameworks:** Keras, PyTorch, Apache Lucene, KNIME

**Developer Tools:** Git, VS Code, Visual Studio, Eclipse, Google Colab

## CERTIFICATIONS

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- Cisco IT Essentials: PC Hardware and Software

May 2014

## ABOUT ME

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Enthusiastic, highly-motivated Computer Science student passionate of Machine Learning and Information Retrieval, who likes to take initiative and seek out new challenges. If they ask me what my career goal is, I answer "Learn, learn and most importantly: learn!".

In my free time I coach a football team (Under 13) in the oratory of my city and I go to the gym. I love Italian comedy films, especially the trio "Aldo, Giovanni and Giacomo": I know all their films and shows by heart!

## ADDITIONAL INFORMATION

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In compliance with the GDPR and Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details for the purpose of recruiting and selecting staff and I confirm to be informed of my rights in accordance to art. 7 of the above mentioned Decree.