



MATTEO MENDULA

SOFTWARE ENGINEER

<https://www.unibo.it/sitoweb/matteo.mendula/en>

INTRODUCTION

Hi there! I'm Matteo and I love creating new and useful application. I love exploring new frameworks and technologies in order to improve the quality of existing processes. I focused on the application of energy optimization techniques in Edge Computing towards a more "Green AI".

PROFESSIONAL SKILLS

Node-js	●	●	●	●	●
Tensorflow	●	●	●	●	●
Pytorch	●	●	●	●	●
Docker	●	●	●	●	●
Flower (FL)	●	●	●	●	●
MLFlow (MLOps)	●	●	●	●	●
MongoDB	●	●	●	●	●
Redis	●	●	●	●	●
Spring Boot	●	●	●	●	●
JBoss Wildfly	●	●	●	●	●

CONTACT DETAILS

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MY INTERESTS

Digital Innovation
Technology and Social Impact
Basketball (FIP arbiter)
Cycling
Mountain Climbing
Reading Novels
Volunteering
Classic and Pop Music

ACADEMIC BACKGROUND AND EXPERIENCES

PHD STUDENT IN COMPUTER SCIENCE AND ENGINEERING

University of Bologna (Unibo), November 2020 - Present

- Distributed learning using federated techniques for energy optimization;
- Teaching tutor: "Web Technologies T";
- MLOps solutions: bringing DevOps to Machine Learning pipelines;
- Edge computing in urban planning environments.

RESEARCH FELLOW - COMPUTER SCIENCE AND ENGINEERING

University of Bologna (Unibo), May 2020 - November 2020

- OpenStack cloud computing platform.

MASTER'S DEGREE - COMPUTER ENGINEERING

University of Bologna (Unibo), October 2017 - March 2020

Graduation mark: 110/110 with honors

- Master Thesis at University of Central Florida, USA: "Interaction and Behaviour Evaluation for Smart Homes Data Collection and Analytics in the ScaledHome Project";
- Artificial Intelligence and Machine learning frameworks;
- Infrastructures for cloud computing and big data;
- Distributed and Mobile Systems.

IELS CERTIFICATION - MARK OBTAINED 7,5 (C1)

AlmaEnglish (Bologna), March 2019

START UP TRAINING

Università Bocconi (Milano), January 2018 - January 2019

CUBBIT - THE DISTRIBUTED CLOUD

Cubbit Srl - via della Zecca 1 (Bologna), September 2017 - April 2018

- Node-js based desktop application development
- Front end development using UX design principles

"GIARDINO DELLE IMPRESE - ICARO" PROJECT

Fondazione Golinelli (Bologna), September 2015 - May 2016

- Business concepts
- Entrepreneurship classes using modern Design Thinking methods
- How to develop a product from the initial idea to the marketing phase
- Collaboration with "Dove conviene"

THREE-YEAR DEGREE - COMPUTER ENGINEERING

Università di Bologna (Unibo), September 2014 - October 2017

- Physics, statistics and maths background
- Object Oriented Programming