

# ANDREA MAZZEO

COMPUTER SCIENCE ENGINEER

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📅 28-09-1995

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## ABOUT ME

Versatile and passionate computer science engineer highly involved in research activities concerning dependability systems and deep learning solutions. I'm willing to learn and improve with new challenging experiences.

## SOFT SKILLS

Team work

Problem solving

Autonomy

Communication

Organization and time management

Adaptability

Leadership

## HARD SKILLS

Embedded Systems

Deep Learning

Image Processing

Python

C

C++

Java

Verilog

VHDL

JavaScript

Node.js

SQL

CSS

HTML

React

QT

FPGA

Git

Vivado

Matlab

LaTeX

TensorFlow

PyTorch

Keras

## LANGUAGES

Italian



English



## EDUCATION

- 2019** ● **Master's degree in Computer Science and Engineering**  
Politecnico di Milano 110 with honors / 110  
Thesis:  
A Hybrid Fault Injection Framework for Image Processing Applications in FPGA  
Areas of interest:  
Image processing and computer vision, embedded systems, firmware development, reconfigurable devices, computer architectures
- 2017** ● **Bachelor's degree in Computer Science and Engineering**  
Politecnico di Milano 105 / 110  
Final project:  
Lorenzo il Magnifico – A multiplayer board games developed in Java  
Areas of interest:  
Software engineering, full stack development, networking, database design
- 2014** ● **High School Diploma in Electronics and IT Engineering**  
ITCS Erasmo da Rotterdam, Bollate 98 / 100  
Final project:  
A tracking system of an object using a CCD sensor  
Areas of interest:  
FPGA, microcontroller ARM, robotics, PCB design

## EXPERIENCE

- Present** ● **Software Engineer at Smart Robots**  
Milan  
Main activities:  
C++, Computer vision, QT
- 2021** ● **Teaching assistant in «Fondamenti di Informatica»**  
2020 Politecnico di Milano
- 2021** ● **Research grant**  
2020 Politecnico di Milano  
Research title:  
Design of image processing applications for critical systems

## PUBLICATIONS

- 2021** ● C. Bolchini , L. Cassano , A. Mazzeo, A. Miele, "Usability-based Cross-Layer Reliability Evaluation of Image Processing Applications", IEEE DFT
- 2020** ● C. Bolchini , L. Cassano , A. Mazzeo, A. Miele, "Error Modeling for Image Processing Filters accelerated onto SRAM based FPGAs", IEEE IOLTS

## CERTIFICATIONS

- 2020** ● **TOEIC** Listening and Reading - Score: 930/990
- 2015** ● **MTA:** Software Development Fundamentals
- 2014** ● **BULATS** Business Language Testing Service - Score: C1
- 2014** ● **MOS:** Microsoft Office Specialist - Master