

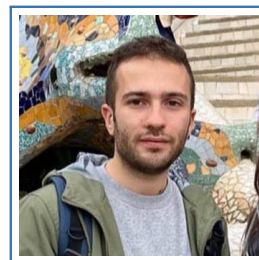
# Davide Domini

## Curriculum Vitae

Ravenna-Cesena-Bologna

☎ (+39) 346 9673531

✉ [davide.domini2@unibo.it](mailto:davide.domini2@unibo.it)



## Education

- 2021–ongoing **Master Degree in Computer Engineering and Science - University of Bologna, Cesena.**
- 2018–2021 **Bachelor Degree in Computer Engineering and Science - University of Bologna, Cesena.**  
**Thesis Title:** Classificazione di Radiografie Toraciche per la Diagnosi del COVID-19 con Reti Convoluzionali e Vision Transformer  
Graduation grade: 109/110
- 2013–2018 **Secondary High School Diploma - ITIS N. Baldini, Ravenna.**  
Graduation grade: 88/100

## Work Experience

- 2021 **Deep Learning Internship**, *Computer Vision*, Department of Computer Science and Engineering - University of Bologna.  
**Task:** Research for the development of a solution for the recognition of abnormal walking with Deep Convolutional Neural Network
- 2018 **IT technician**, Sitem Impianti Srl.
- 2018 **Software developer**, Ecofeel.  
Website creation for the new startup  
Programming of sensors for environmental measurements
- 2017 **IT technician**, Spring Italia.
- 2016 **IT technician**, ACER Azienda Casa Emilia-Romagna.

## Teaching Experience

- 2023 **Teaching Tutor**, Department of Computer Science and Engineering - University of Bologna.  
Subject: Software Engineering & Software Engineering for Intelligent Distributed Systems
- 2022 **Teaching Tutor**, Department of Computer Science and Engineering - University of Bologna.  
Subject: Laboratory of Big Data, Data Mining and Data Analytics
- 2022 **Teaching Tutor**, Department of Statistical Sciences "Paolo Fortunati" - University of Bologna.  
Subject: Machine Learning Systems for Data Science

- 2022 **Teaching Tutor**, Department of Statistical Sciences "Paolo Fortunati" - University of Bologna.  
Subject: Computer Science
- 2022 **Teaching Tutor**, Department of Electrical, Electronic, and Information Engineering "Guglielmo Marconi" - University of Bologna.  
Subject: Digital Design Principles and Computer Architecture

## Projects

- 2022 **Racing Simulator**, [*pps-sim-race*].  
Simple F1 Race Simulator  
*Scala, Prolog*
- 2022 **FOOL**, [*FOOL*].  
A simple compiler for FOOL, a functional object-oriented programming language  
*Java, ANTLR4*
- 2021 **Covid-19 Classifier**, [*C19C*].  
My thesis. A deep neural network, with vision transformer, trained to discriminate covid-19 from viral pneumonia  
*Python*
- 2020 **Cubic World Simulator**, [*CWS*].  
Multi-threaded 3D game for a university project  
*Java*

## Skills and Activities

- Programming Language Scala, Java, Kotlin, C, Python, Prolog, SQL, PHP, JavaScript, Matlab
- Technologies Git,  $\LaTeX$ , MEAN Stack, Gradle, Docker, Tensorflow, PyTorch, Colab, Jupyter Notebook
- Patterns & Practices Object Oriented Programming, Functional Programming, Concurrent & Distributed Programming, Machine Learning & Deep Learning Patterns

## Languages

- Italian Native Speaker
- English Fluent
- Spanish Basic

## Certifications

- 2022 **EFSET English Certificate 75/100 (C2 Proficient)**.  
ID: [ZnxRoS]  
EF SET Certificate
- 2022 **Technologies and platforms for Artificial Intelligence**.  
ID: [6418ba658b7440bb95ed097e2ee27c83]  
Politecnico di Milano
- 2022 **Introduction to Complexity**.  
ID: [2523594754]  
Santa Fe Institute

2022 **Understand Research Methods.**  
ID: [RTAMXFKQAGWA]  
University of London - Coursera