

# Davide Domini

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Ravenna, Italy



## EXPERIENCE

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- **University of Bologna**  
Deep Learning Internship - Cesena, Italy  
Research for the development of a solution for the recognition of abnormal walking with Deep Convolutional Neural Network  
*March 2021 to August 2021*
- **Ecofeel**  
Software developer – Ravenna, Italy  
Website creation for the new startup, Programming of sensors for environmental measurements  
*March 2018*
- **Spring Italia**  
IT technician – Ravenna, Italy  
*March 2017*
- **ACER Azienda Casa Emilia-Romagna**  
IT technician – Ravenna, Italy  
*July 2016*

## EDUCATION

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- **MA Computer Engineering and Science**  
University of Bologna  
*2021 ongoing*
- **BA Computer Engineering and Science**  
University of Bologna  
Grade: 109/110  
*2018-2021*
- **High School Diploma**  
ITIS N.Baldini - Ravenna  
Grade: 88/100  
*2013-2018*

## SKILLS

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- **Programming Languages**  
Python, C, Java, Scala, SQL, PHP, JavaScript, C++, C#, Matlab
- **Technologies**  
MEAN Stack, Gradle, Docker, L<sup>A</sup>T<sub>E</sub>X, Git, Tensorflow, PyTorch, Colab, Jupyter Notebook
- **Patterns & Practices**  
Object Oriented Programming, Functional Programming, Concurrent & Distributed Programming, Machine Learning & Deep Learning Patterns
- **Project Management**  
Agile
- **Languages**  
Italian (Native language), English (fluent), Spanish (basic)

## PROJECTS

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- **Cubic World Simulator [CWS]**  
Multi-threaded 3D game for a university project  
*Java*
- **Covid-19 Classifier [C19C]**  
My thesis. A deep neural network, with vision transformer, trained to discriminate covid-19 from viral pneumonia  
*Python*
- **FOOL Compiler [FOOL]**  
A simple compiler for FOOL, a functional object-oriented programming language  
*Java, ANTLR4*

## TEACHING EXPERIENCE

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- **Teaching Tutor**

University of Bologna - Cesena

Digital Design Principles and Computer Architecture -

Biomedical and Electrical Engineering

Computer Science - Statistical Science

2022

- **High School Teacher**

ITIS N.Baldini - Ravenna

2022

## MAIN INTERESTS

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- Artificial Intelligence
- Machine & Deep Learning
- Computer Vision
- Complex Software Systems Development

## CERTIFICATION

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- **Technologies and platforms for Artificial Intelligence**

Politecnico di Milano

ID: [6418ba658b7440bb95ed097e2ee27c83]

2022

- **Introduction to Complexity**

Santa Fe Institute

ID: [2523594754]

2022

- **Understand Research Methods**

University of London - Coursera

ID: [RTAMXFKQAGWA]

2022

- **CCNA Routing and Switching**

CISCO Net Academy

2017