

Marco Collepicollo

Software developer

collepicollo.marco@gmail.com (+39) 3662561713 Rome, Italy
linkedin.com/in/collepicollomarco github.com/marvmarco

PERSONAL PROFILE

Serious and goal-driven computer engineer. I hold a bachelor's degree in computer engineering and I'm currently studying for a master's degree in artificial intelligence and robotics at the University of Rome La Sapienza. My main interests are software development and artificial intelligence. Also interested in computer vision, robotics and technology in general. I'm seeking to have first-hand experience with state-of-the-art technologies to hopefully become a leading expert in the field.

EXPERIENCE

Tutor on Course Hero March 2020 – March 2022

I answered questions on computer science from hundreds of students as freelance tutor on Course Hero.
Profile: coursehero.com/profile/collepicollomarco/

Student-collaboration scholarship January 2019 – January 2020

Sapienza Università di Roma

Collaborating with IT laboratory technicians in managing and maintaining the university's computer facilities for students.

EDUCATION

M.Sc. in Artificial intelligence and Robotics September 2020 – Present

Sapienza Università di Roma

B.Sc. in Computer Engineering September 2017 – October 2020

Sapienza Università di Roma

- Grade: 110/110 cum laude
 - Thesis (in Italian): Lane Follower implementation using Deep Reinforcement Learning in Duckietown environment
 - Skills acquired include: sound knowledge of foundation sciences (mathematics and physics), engineering sciences, statistics; focus on analysis, design and management of IT hardware/software systems and different types of applications (databases, data analysis, software engineering, AI, computer vision, web applications, network infrastructures, computer architecture, automation, etc.)
 - Activities: excellence programme with professor Marco Schaerf focused on machine learning and neural networks.
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SKILLS

Languages: C/C++, Python, Java.

Languages (fundamentals): x86 assembly, Scala, Haskell.

AI & ML: ML algorithms, TensorFlow/Keras.

Operating Systems: Linux (Bash).

DBMS: PostgreSQL, SQL, PL/pgSQL.

Tools: Git, Docker, various IDEs, various diagramming tools.

Image processing and graphical libraries: OpenCV, Processing.

Parallel programming (fundamentals):

OpenCL, OpenMP, CUDA.

Embedded Engineering (fundamentals): Arduino, ROS.

Web development (fundamentals): HTML, CSS, JS.

Other skills: Algorithm design, best practices of software engineering and OOP, computer networkig and protocols, fundamentals of parallel programming, fundamentals of web backend and frontend, LaTeX, Microsoft Excel.

SOFT SKILLS

Teamwork, organization skills, punctuality, goal-setting, critical thinking, problem solving, curiosity and continuous learning.

LANGUAGES

English: Full professional proficiency. **Italian:** Native proficiency.

FURTHER EDUCATION

Course on Sustainability February 2020 - August 2020

Sapienza Università di Roma

Lectures focused on acquiring knowledge about the United Nations sustainability agenda for 2030, the 17 Sustainable Development Goals (SDGs) and their implementation in the fields of computer science and computer engineering

Machine Learning April 2019

Stanford University on Coursera

Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning April 2019
deeplearning.ai on Coursera

Cybersecurity and its ten domains December 2019
Coursera

Elements of AI April 2020
University of Helsinki and Reaktor

Fundamentals of digital marketing April 2019
Google digital training

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