FRANCESCO MONTANARO

Computer Science Engineer

PROFILE

Passionate computer science engineer with founded experience in software engineering and a solid academic background in Artificial Intelligence. Excellent analytical, problem-solving and team collaboration skills, aiming to contribute to cutting-edge AI projects.

CONTACTS

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Links: Portfolio | LinkedIn

LANGUAGES

Italian: Native proficiency
English: Full professional proficiency
Spanish: Basic knowledge

EXPERIENCE

Software Engineer

Bititup s.r.l.
09/2022 - present

• Developed and implemented robust Robotic Process Automation (RPA) systems, enhancing operational efficiency.
• Developed full-stack web applications, integrating front-end and back-end components to deliver cohesive and efficient solutions.
• Led the integration of AI and machine learning models into existing software solutions.

Freelancer in Software Development

01/2021 - 09/2022

• Provided full-stack development services, focusing on data-driven applications.

EDUCATION

Master of Science in Computer Science and Engineering

Politecnico di Milano
09/2019 - 12/2022

• Specialization in Artificial Intelligence
• Thesis: "A Deep Learning Framework to Infer Functional and Spatial Properties from CFD"

Bachelor Degree in Computer Science and Telecommunications Engineering

University of Cassino and Southern Lazio
09/2016 - 07/2019

• Thesis: "Handwriting Analysis for the Diagnosis of Cognitive Impairment."

TECHNICAL SKILLS & COMPETENCES

Artificial Intelligence & Machine Learning
• Proficient in Python for machine learning, deep learning, and AI development.
• Experienced in using deep learning frameworks such as Tensorflow and Keras.

Software Engineering
• Strong skills in C++, C#, and .NET for object-oriented programming, game development, and embedded systems.
• Expertise in full-stack web development using PHP, HTML, CSS, JavaScript.
• Familiar with Docker for containerizing applications, enhancing development consistency and facilitating deployment processes.

Data Engineering & Analytics
• Advanced knowledge in SQL, MongoDB for database structuring and development.
• Competent in using AMPL for optimization problems, enhancing operational research and game theory applications.

Robotics & Automation
• Hands-on experience with Arduino and Raspberry Pi for robotics projects.
• Skilled in RPA using UiPath and Selenium, streamlining business processes through automation.