



Samuele Moscatelli

Computer Engineer - Software Engineer

I am a talented, ambitious and hardworking individual, with broad skills in Computer Science and Engineering. I have a huge passion for Software Engineering and Machine learning to which I dedicated my academic life. I am able to deal with stringent deadlines and I am highly motivated in always delivering top quality work. I have great communication and problem solving skills that allow me to have a natural predisposition towards leadership and teamwork. I am also a very passionate basketball player.

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EDUCATION

Master Degree in Software Engineering and Machine Learning Politecnico di Milano

09/2019 - 07/2021

Milan, Italy, Average Marks: 29.06/30, GPA = 3.87

Courses

- Artificial Neural Networks and Deep Learning
- Design and Implementation of Mobile Applications
- Software Engineering 2
- Machine Learning
- Computer Systems Performance Evaluation
- Digital Project Management
- Advanced Algorithms and Parallel Programming
- Thesis:** Deep Learning for Illegal Landfills Detection

Bachelor Degree in Computer Science and Engineering Politecnico di Milano

09/2016 - 07/2019

Milan, Italy, Average Marks: 29.48/30, GPA = 3.93, Final grade: 110/110 Magna Cum Laude

Courses

- Software Engineering
- Information Technologies for the web
- Algorithms and Principles of Computer Science
- Information Systems
- Data Bases
- Fundamentals of Computer Science
- Computer Architectures and Operative Systems
- Thesis:** A Traffic Monitoring System

PERSONAL PROJECTS

CleanRun (10/2020 - 03/2021)

- A mobile application for the retrieval of the air quality and for the management and tracking of sports activities developed with Flutter

Basketball Shot 3D Trajectory Reconstruction Through Computer Vision (10/2020 - 01/2021)

- A Matlab script that uses image analysis and computer vision techniques to reconstruct the 3D trajectory of the ball during a basketball shot

Traffic Monitor (10/2018 - 12/2018)

- A system for monitoring urban traffic using Java, composed by a central system and devices installed on cars and on roads to monitor the speed

WORK EXPERIENCE

Software Engineer Nuklex

09/2019 - 04/2020

Innovative start up operating in the fitness world

Cantù, Italy

Achievements/Tasks

- I contributed to the foundation of the start up
- I worked on the development of the application

SKILLS

Python

Java

Flutter

Matlab

Jira

GIT

Office 365

JavaScript

SQL

Keras

Docker

C++

HTML

CSS

Leadership

Team Building

Problem Solving

Self-Motivation

ACHIEVEMENTS

Second place in the first ACRE Competition (12/2020 - 03/2021)

European funded Deep Learning challenge for the segmentation of crop and weed in the optic of using ground robot for mechanical weeding in order to avoid the usage of pesticides

University Scholarship "Right to Study", Politecnico di Milano (10/2020 - Present)

IDEA League Challenge Program (10/2019 - 04/2020)

Extracurricular program for 30 deserving students from the 5 best European technical universities to develop leadership, entrepreneurship, ethics and innovation at the intersection of technology and society

University Scholarship "Right to Study", Politecnico di Milano (10/2018 - 07/2019)

University Scholarship "The Best Freshmen of 2016/2017", Politecnico di Milano (10/2017 - 07/2018)

First Prize in the "Ingegnamoci!" competition (04/2017 - 05/2017)

Competition that rewards the best idea in the field of geoinformatics. My idea has been a lifesaving watch for skiers (it was called "Skiwatch")

CERTIFICATES

TOEIC certificate, EAS Milan (10/2017 - Present)

Score: 960/990, Equivalent Level: C1

LANGUAGES

Italian

Native or Bilingual Proficiency

English

Full Professional Proficiency

INTERESTS

Computer Science

Designing Applications

Artificial Intelligence

Innovation

Engineering

Mentoring

Fitness

Travelling

Basketball

Science Fiction Film