

RAMBOD RAHMANI

University of Pisa - Artificial Intelligence Engineer

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📍 Pisa, Tuscany - Italy

in <https://www.linkedin.com/in/rambodrahmani/>

WORKING EXPERIENCE

Financial Services IT Consultant

Blue Reply S.r.l.

📅 Nov 2022 – Currently

📍 Florence, Italy

- Software Engineer.
- M.Eng thesis: A Machine Learning Approach For Credit Score Analysis.

Software Engineer

ClassX S.r.l.s

📅 Feb 2018 – Aug 2018

📍 Pisa, Italy

- Java Software Engineer.
- Computer graphics for TV broadcast.

Software Engineer

R.H. Impianti di Rahmani Hamidreza

📅 Dec 2017 – Mar 2023

📍 Sassari, Italy

- Software Engineer.
- Siemens TIA Portal V16 Developer.

PAPERS

- KerubLess - Design of a Driverless Formula SAE Vehicle
2022 IEEE 5th International Conference on Industrial Cyber-Physical Systems

CERTIFICATES

- Siemens SIMATIC S7-1200 MICRO1
Siemens SITRAIN
- Siemens SIMATIC S7-1200 MICRO2
Siemens SITRAIN
- Introduction to Physics-informed Machine Learning
NVIDIA Deep Learning Institute
- Integrating Sensors with NVIDIA DRIVE
NVIDIA Deep Learning Institute

TECHNICAL SKILLS

- Deep learning, Machine learning, Genetic algorithms for optimization.
- Linux, ROS, C++, Python, Java, PyTorch, Tensorflow, NVIDIA CUDA.
- Siemens TIA Portal, MySQL, Java, Spring Boot, Angular, Git.
- Apache spark, Apache Cassandra, Apache Hadoop.

EDUCATION

M.Eng in Artificial Intelligence 110L/110L

University of Pisa

📅 Sep 2020 – Apr 2023

B.Eng in Computer Engineering 99/110L

University of Pisa

📅 Sep 2013 – Jul 2020

PROJECTS

E-Team Squadra Corse

Autonomous Vehicle Development

- As the driverless division manager I worked on the entire software stack of KerubLess, the driverless vehicle of E-Team Squadra Corse at University of Pisa.
- Software: ROS, C++, Python, PyTorch, NVIDIA TensorRT, NVIDIA CUDA, PointCloud Library, OpenCV, CasADi.
- Hardware: NVIDIA Jetson AGX Xavier DevKit, Hesai Pandar 40P Lidar, Stereolabs ZED 2 Stereo Camera, Aceinna OpenIMU330RI.

Roborace

Autonomous Vehicle Development

- My work focused on the Roborace driverless electric vehicle DevBot 2.0.
- Software: MATLAB, Simulink.
- Hardware: Nvidia Drive PX2, Speedgoat Mobile real-time target machine, Ouster OS1 Lidar, Sekonix SF3326-10X camera.

AWARDS

Intel Excellence in Computer Science

Intel Corporation

National Excellence Honours Roll

Italian Ministry of Education, University and Research

9th Expo-Sciences Europe 2012

MILSET Expo-Sciences Europe

LANGUAGES

- Italian (Mother tongue)
- Persian (Mother tongue)
- English (C1)
- French (A2)