

# Rambod Rahmani

Artificial Intelligence Engineer

## Contact

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## Languages

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

## Places

Iran, Italy, Germany,  
Spain, France, Belgium,  
Holland, Russia, Hungary.

## Programming

C, C++, Java, Python, R,  
OpenCV, OpenCL,  
OpenGL, Nvidia CUDA,  
Julia, ROS, Shell Script.

## Software

Vim, CLion, Matlab, Visual  
Studio, Eclipse,  
OMNeT++, VirtualBox,  
MongoDB, CassandraDB,  
Git, R Studio, Jupyter  
Notebook.

## Hardware

Arduino, Raspberry Pi,  
Embedded Pi,  
Cubieboard, NVIDIA  
Jetson.

## Operating Systems

Windows 10, Mac OS X,  
iOS, Android, Linux  
Debian, Arch Linux,  
Raspbian, OpenWRT.

## Summary

I was born in Iran in 1993 and moved to Italy at the age of 7. I started studying programming languages at the age of 15 and began to work as a freelance programmer a couple of years later. At the age of 19 I was admitted to the University of Pisa as a Computer Engineering student. After finishing my bachelor I enrolled for a Master in Artificial Intelligence and Data Engineering. In the past years, beside studying for my examinations, I worked for IT Companies, I took part in group projects and tried to startup my own ideas. During the academic year 2017/2018, my goals have shifted. I have developed a deep interest in Artificial Intelligence.

## Education

2020	<b>M.Eng</b> in Artificial Intelligence	- 110L/110L (estimated)	University of Pisa, Italy
2013 - 2019	<b>B.Eng</b> in Computer Engineering	- 98/110L	University of Pisa, Italy
2008 - 2013	<b>High School Diploma</b> Scientific Lyceum	- 100/100	Scientific Lyceum "G. Spano", Italy

## University Projects

2020	<b>E-Team Squadra Corse</b> <i>Autonomous Vehicle Development</i> My work focused on the development of the driverless autonomous vehicle.	University of Pisa
2019	<b>Roborace</b> <i>Autonomous Vehicle Development</i> My work focused on the driverless electric vehicle DevBot 2.0.	University of Pisa - E. Piaggio Research Center
2015	<b>PHOS Project</b> <i>Software Programmer</i> Aerospace project at University of Pisa part of the REXUS/BEXUS programme.	University of Pisa

## Papers

2022	<b>KerubLess - Design of a Driverless Formula SAE Vehicle</b> <i>2022 IEEE 5th International Conference on Industrial Cyber-Physical Systems</i>	IEEE
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## Work Experience

2022	<b>Blue Financial Services IT</b> <i>M.Eng Thesis Stage</i> Development of a machine learning approach for credit score analysis.	Firenze
2020	<b>R.H. Impianti di Rahmani Hamidreza</b> <i>Siemens TIA Portal V16 Developer</i> Design, development and deployment of a remote monitoring infrastructure based on Siemens PLC S7-1200, Simatic HMI TP1200, SINAMICS G120X.	Consorzio di Bonifica della Nurra
2018	<b>ClassX S.r.l.</b> <i>Java Developer</i> I worked as Java developer for the ClassX S.r.l focusing to develop broadcasting software and hardware.	Pontedera
2018	<b>ClassX S.r.l.</b> <i>Internship</i> Curricular internship Computer Engineering student at University of Pisa.	Pontedera

## 3D Printing

- Geeetech Prusa i3
- Anycubic I3 Mega
- Creality Ender 3 Pro
- Anycubic Photon

## OpenWRT

As a member of a local hacklab in Pisa, I was involved in installing and configuring the OpenWRT Distribution on embedded devices that we used to build the local **Wireless Mesh Network** EigenNet.

## Bitcoin

I have been involved in Bitcoins as far as it regards Bitcoin Mining, Mining Pools, Bitcoin Wallet and Full Bitcoin Node Configuration (Bitcoin Core).

## Linkedin

For full and detailed information regarding my work experience, projects and awards please refer to my **LinkedIn Profile**: [it.linkedin.com/in/rambodrahmani](https://it.linkedin.com/in/rambodrahmani).

## GitHub

*"Sharing isn't immoral - it's a moral imperative. Only those blinded by greed would refuse to let a friend make a copy."*

**GitHub Profile:**  
[github.com/rambodrahmani](https://github.com/rambodrahmani).

2012

### MALIBU Village

Canet-Plage, Languedoc-Roussillon, France

#### Internship

I worked as IT Support at MALIBU Village as part of the "Leonardo Project" internship. I had a hands-on experience with Ubiquiti Picostations.

2010 - 2012

### Italian Navy

San Giorgio-class amphibious transport dock, Italy

#### Software Programmer

I coded a set of three software named **A.S.C (Acceptance, Sorting and Control)** for the Italian Navy.

2014 - 2015

### Boccaccio Club

Pisa, Italy

#### Software Programmer

Boccaccio Club iOS and Android App Development.

## Awards, Scholarships and Certificates

2013 - 2016

### DSU Scholarship

DSU of Tuscany

DSU Scholarship by DSU of Tuscany supporting my Bachelor of Engineering Studies.

2013 - 2016

### Italian Ministry of Education, University and Research Scholarship

MIUR

Excellence Scholarship by MIUR supporting my Bachelor of Engineering Studies.

2012

### Intel Excellence in Computer Science

Intel Corporation

Awarded to Rambod Rahmani for developing the A.S.C. Software.

2012

### National Excellence Registry

Italian Ministry of Education, University and Research

Awarded to Rambod Rahmani for developing the A.S.C. Software.

2012

### Certificate of Merit

Scientific Lyceum "G. Spano", Italy

Awarded to Rambod Rahmani for developing the A.S.C. Software.

2012

### Europass Mobility Nr. IT/00/2012/859/10

Gymnasium Lyceum "D. A. Azuni" and ALFMED (Académie de Langues France Méditerranée.).

2011

### A.S.C. Software

Italian Navy - San Giorgio-class Amphibious Transport Dock

Software Development Certificate by the Italian Navy for developing the A.S.C. Software.

## Events

May 2015

### International World Wide Web Conference 2015

Florence, Italy

Research, development, and applications of the topics related to the Web.

May 2015

### HEUREKA 2015

Berlin, Germany

One of the main founders conferences in the German-speaking world.

May 2015

### Berlin Talent Summit 2015

Berlin, Germany

Europe's leading recruiting conference for high-potentials.

July 2012

### 9th EXPO-SCIENCES EUROPE 2012 (ESE)

Tula, Russia

9th MILSET Expo-Sciences Europe (ESE 2012) held in Tula, Russia.

April 2012

### I Giovani E Le Scienze 2012

Federation of Scientific and Technical Associations

The A.S.C. Software was selected as one of the best 30 in the whole country.

## Interests

**Professional:** Computational Complexity, Artificial Intelligence, Artificial Neural Networks, Deep Learning, Symbolic Computation, Statistics, Hardware Accelerators, Cloud Computing, Software design, Linux.

**Personal:** Running, Chess, Cosmology, Astronomical observations, Stock Market, Quantitative trading.