

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 - 2022 **Master** of Engineering Studies - Artificial Intelligence University of Pisa, Italy
2013 - 2019 **Bachelor** of Engineering Studies - Computer Engineering University of Pisa, Italy
2008 - 2013 **High School Diploma** 100/100 - Scientific Lyceum Scientific Lyceum "G. Spano", Italy

University Projects

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

Work Experience

2020 **R.H. Impianti di Rahmani Hamidreza** Consorzio di Bonifica della Nurra
Siemens TIA Portal V16 Developer
Design, development and deployment of a remote monitoring infrastructure based on Siemens PLC S7-1200, Simatic HMI TP1200, SINAMICS G120X.
2018 **ClassX S.r.l.** Pontedera
Java Developer
I worked as Java developer for the ClassX S.r.l focusing to develop broadcasting software and hardware.
2018 **ClassX S.r.l.** Pontedera
Internship
I spent two months at ClassX S.r.l as part of my academic career as a Computer Science student at University of Pisa.
2013 **Ambulatory Proctology Office** Sardinia, Italy
Objective-C Software Programmer
I developed the software used to manage patients medical history.
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.

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.

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.

- 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. What started as a late night project to improve my coding skills ended up changing my life for ever when I was still a high school student.
- 2014 - 2015 **Boccaccio Club** Pisa, Italy
Software Programmer
Boccaccio Club iOS and Android App Development. Wireless Network Routing with Multiple Access Points.

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, Computer Vision, Game Theory, Optimization, Algorithmic Trading, Startups, Software design, Linux.
Personal: Running, Chess, Cosmology, Astronomical observations, Quantum Computer Science, Stock Market, Quantitative Trading, Physics and Math.