RambodRahmani
Artificial Intelligence Engineer

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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.

Papers

2012 — **KerubLess - Design of a Driverless Formula SAE Vehicle** — *IEEE*
2022 IEEE 5th International Conference on Industrial Cyber-Physical Systems

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 infastructure 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*
Intership
Curricular internship Computer Engineering 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.

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.