Rambod**Rahmani**
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

2022	**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.