



**Saeid
Jamili**

ABOUT ME

Since childhood, I have been enthusiastic and interested in Electronics, and ever since I have started working in this field of study. During my school years, with great efforts and perseverance, I could, fortunately, have achievements that provided me with a lot of motivation and interest in learning further.

WORK EXPERIENCE

31/12/2014 – 31/05/2020 – Tehran, Iran

Electronics engineer (R&D)

Ehya Darman Pishrafte co.

Hardware designer and Embedded programmer

31/01/2015 – 28/02/2019 – Tehran, Iran

Electronics engineer (R&D)

IPM

Hardware designer and Embedded programmer

31/12/2013 – 31/01/2017 – Tehran, Italy

Electronics engineer (R&D)

Ikap robotic Co.

Hardware designer and Embedded programmer

01/07/2021 – 01/01/2022 – Roma, Italy

Teacher assistant of Communication Theory and Engineering course

Sapienza di Roma

EDUCATION AND TRAINING

30/12/2014 – 30/03/2017 – Iran

B.Sc., Electronic Engineering

Technical, and Vocational University-Shahid Shamsipour
Technical and Vocational College

30/05/2019 – 30/03/2022 – Italy

Master's degree, Electronics Engineering

Sapienza University

Field(s) of study

- Engineering, manufacturing and construction : *Electronics and automation*

110 cum laude | Design and Implementation of Dynamic Function Exchange RISC-V Klessydra Processor

31/12/2005 – 31/12/2009 – Iran

LANGUAGE SKILLS

MOTHER TONGUE(S): Persian

OTHER LANGUAGE(S):

English

Listening
C1

Reading
C1

**Spoken
production**
C1

**Spoken
interaction**
C1

Writing
C1

Italian

Listening
A1

Reading
A1

**Spoken
production**
A1

**Spoken
interaction**
A1

Writing
A1

DIGITAL SKILLS

Machine learning for digital signal processing / Advanced skills in Designing Hardware / Advanced skills in Altium PCB Designer / Advanced skills in PIC, DSPIC, and ARM microcontrollers / Advanced skills in Designing DSP (Digital signal processing) systems / Advanced skills in FPGA-VHDL / Advanced skills in PSPICE, Proteus / Intermediate skills on AWR microwave office / Advanced Skills on MATLAB Coding / Advanced in Python Coding / Advanced skills in Visual Programming such as C#.Net, and familiar with QML, VB.net, and VBA / Advanced skills in Programming Languages: C, C#.net, ASP.Net, MATLAB / Advanced skills on Web Base Technologies such as ASP.NET / Basic skills with LabVIEW

PUBLICATIONS

L3DAS21 Challenge: Machine Learning for 3D Audio Signal Processing, Eric Guizzo, Riccardo F. Gramaccioni, Saeid Jamili, etc.

2021 <https://www.l3das.com/mlsp2021/>

PMT glass window sensitivity to gamma-rays: A digital signal processing approach, Maryam Ghahremanigol, Mohsen Khakzad, Saeid Jamili, etc

2020

CONFERENCES AND SEMINARS

01/01/2017 – 01/01/2017

● **Workshop on HSE- IPM University**

02/01/2019 – 05/01/2019

● **Medical Devices Quality Management System (ISO13485:2016)**

01/01/2022 > – On-line

● **Advance high-speed PCB design (for high-speed processors) -in process**

RECOMMENDATIONS

● Mauro Olivieri – Professor – olivieri@diet.uniroma1.it – (+39) 0644585435
Sapienza di Universita

● Marco Balsi – Professor – marco.balsi@uniroma1.it – (+39) 3204357195
Sapienza di Universita

PROJECTS

01/03/2016 – 01/07/2020

● **Medical ventilation with turbine technology**

Dion is a high technology ventilator. It made by turbine which is a main part of producing Air gas so it in depends to sources of compressors or central gas. It acts electro-pneumatically and uses in intensive care units. This device has a variety of advanced models that can be used as invasive and non- invasive ventilator for dual-mode to adult or pediatric patients. The turbo fan ventilator has a control system based on microprocessor that coordinates the tasks arises from programmed control equipment. All operations performed by the respiration machine are controlled by this system. The flow of gas received by the patient is regulated by two proportional valves, one for air, and the other one for oxygen. The valves operate simultaneously, providing the appropriate oxygen concentration and the necessary flow wave-form characteristics.

01/10/2020 – 01/04/2022

● **Design Dynamic function exchange RISC-V processor**

19/02/2016 – 20/03/2016

● **Sensorless Brushless DC Motor Control**

01/02/2016 – 15/02/2016

● **ESD TESTER**

Generate 1KV to 15KV pulse for ESD test of devices.

HONOURS AND AWARDS

01/01/2009

Member of National Elite Foundation – IRAN National Elite Foundation

01/04/2015

Ranked 1th among about 10000 at Electronics engineering entrance exam of National University.

01/01/2019

Ranked 10th in total among 18 compaitors at 40th International World Skills at Canada.

01/01/2009

Ranked 1th among about 200 competitors at Industrial Electronics Olympiad of National Skills in Iran to participate at international competition 2009 Cabada

01/01/2008

Ranked 1st at Industrial Electronics Olympiad of national skills at Iran

01/01/2007

Top Student in Amirkabir Technical and Vocational University of Arak

01/01/2004

Ranked 1st at National Technology Olympiad In Electronic

RESEARCH INTERESTS

Digital signal processing

Artificial intelligence

Biomedical

Mixed-signal integrated circuit