



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

01/06/2022 - CURRENT - ROMA, Italy

RESEARCHER - SAPIENZA DI ROMA-DIGITAL INTEGRATED SYSTEM LABRATORY

Prototype and validation of IPs on FPGA

30/06/2021 - 31/12/2021 - Roma, Italy

TEACHER ASSISTANT OF COMMUNICATION THEORY AND ENGINEERING COURSE - SAPIENZA DI ROMA

30/12/2014 - 30/05/2020 - Tehran, Iran

ELECTRONICS ENGINEER (R&D) - EHYA DARMAN PISHRAFTE CO.

Hardware designer and Embedded programmer

30/01/2015 - 27/02/2019 - Tehran, Iran

ELECTRONICS ENGINEER (R&D) - IPM

Hardware designer and Embedded programmer

30/12/2013 - 30/01/2017 - Tehran, Italy

ELECTRONICS ENGINEER (R&D) - IKAP ROBOTIC CO.

Hardware designer and Embedded programmer

EDUCATION AND TRAINING

29/12/2014 - 29/03/2017 - Iran

B.SC., ELECTRONIC ENGINEERING - Technical, and Vocational University-Shahid Shamsipour
Technical and Vocational College

16.16/20

29/05/2019 - 29/03/2022 - Italy

MASTER'S DEGREE, ELECTRONICS ENGINEERING - Sapienza University

Field(s) of study

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

Thesis: Design and Implementation of Dynamic Function Ex-Change RISC-V Klessydra Processor

110 cum laude

30/12/2005 – 30/12/2009 – Iran

CERTIFICATE OF INDUSTRIAL ELECTRONICS – Technical and Vocation● **LANGUAGE SKILLS**Mother tongue(s): **PERSIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2
ITALIAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user● **DIGITAL SKILLS****My 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, HLS) | Advanced skills in PSPICE, Proteus | Basic skills in AWR microwave office | Advanced Skills in 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 in Web Base Technologies such as ASP.NET

● **PUBLICATIONS**

Jamili.S, et al.(2022). Dynamic Function Ex-Change On RISC-V Klessydra Processor. Accepted at ApplePies2022. Genova: Proceedings on Springer LNEE series (indexed by Scopus and ISI WoS)

<https://applepies.eu/> – 2022

Marco Angioli, Marcello Barbirotta, Abdallah Cheikh, Antonio Mastrandrea, Francesco Menichelli, Saeid Jamili and Mauro Olivieri, (2022). Contextual Bandits Algorithms for Reconfigurable Hardware Accelerators, Accepted at ApplePies2022. Genova: Proceedings on Springer LNEE series (indexed by Scopus and ISI WoS)

<https://applepies.eu/> – 2022

Eric Guizzo, Riccardo F. Gramaccioni, J.Saeid , etc. "L3DAS21 Challenge: Machine Learning for 3D Audio Signal Processing", IEEE MLSP 2021

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

M .Ghahremanigol, M.Khakzad, S.Jamili, et al. (2020) PMT glass window sensitivity to gamma-rays: A digital signal processing approach, Nucl. Instrum. Methods Phys. Res. Sect. A 957, 163401 (2020).

2020

● **CONFERENCES AND SEMINARS**

31/12/2016 - 31/12/2016

Workshop on HSE- IPM University

01/01/2019 - 04/01/2019

Medical Devices Quality Management System (ISO13485:2016)

31/12/2021 - On-line

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

● **RECOMMENDATIONS**

PROJECTS

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29/02/2016 - 30/06/2020

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.

30/09/2020 – 31/03/2022

Design Dynamic function exchange RISC-V processor

18/02/2016 – 19/03/2016

Sensorless Brushless DC Motor Control

31/01/2016 – 14/02/2016

ESD TESTER

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

● **HONOURS AND AWARDS**

31/12/2008

Member of National Elite Foundation – IRAN National Elite Foundation

31/03/2015

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

31/12/2018

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

31/12/2008

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

31/12/2007

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

31/12/2006

Top Student in Amirkabir Technical and Vocational University of Arak

31/12/2003

Ranked 1st at National Technology Olympiad In Electronic

● **RESEARCH INTERESTS**

Digital signal processing

Artificial intelligence

Biomedical

Mixed-signal integrated circuit
