

PERSONAL INFORMATION



Hamed Shirazi

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Sex Male | Date of birth 01/08/1995 | Nationality Iranian

EDUCATION AND TRAINING

17 Sep 2024–Present

M.Sc. in Electronics for Intelligent Systems, Big-Data, and Internet of Things

University of Bologna, Bologna, Italy

22 Sep 2012–4 Feb 2019

B.Sc. in Electrical Engineering – Electronics

EQF level 6

Qazvin Azad University, Qazvin, Iran

GPA: 14.56 out of 20

Project Title: Control BLDC Motor Speed using PID Controller

Tutor: Mohammad Reza Nasiri

OTHER SCIENTIFIC EVIDENCE

28 Mar 2023

LPIC-1

Anisa - Iran Linux House

22 May 2023

Embedded Linux Programming-1

Anisa - Iran Linux House

2 Oct 2023

Agile Project Management Course

Aryana Project Management Co.

WORK EXPERIENCE

31 Dec 2022– 15 Nov 2024

R&D Expert (embedded software programmer and embedded system designer)

R&D Department, TOSAN TECHNO Production Site, Qazvin (Iran)

- 23 Sep 2017–30 Dec 2022 **R&D Expert (embedded software programmer and embedded system designer)**
R&D Department, TOSAN Building, Tehran (Iran)
- 1 Feb 2016–4 Feb 2019 **Small-Size Robot Soccer Team Lab. Electronics Supervisor**
Mechatronics Research Laboratory, Qazvin Azad University, Qazvin (Iran)
- 5 Apr 2016–4 Feb 2019 **ORBI Startup Embedded System Designer**
SYNTECH Technology and Innovation Centre, Qazvin, (Iran)
- 25 Sep 2014–15 April 2015 **Rescue Robot Team Lab. Electronics Designer**
Mechatronics Research Laboratory, Qazvin Azad University, Qazvin (Iran)

LIST OF PUBLICATIONS

Conference Paper and presentations

Mohammad Sobhani, Mostafa Bagheri, Adel Hosseinikia, **Hamed Shirazi**, Sina Mosayebi, Saeid Esmaeelpourfard, Meisam Kassaeian Naeini, and Aras Adhami-Mirhosseini (2017)
MRL Extended Team Description

Link: https://ssl.robocup.org/wp-content/uploads/2019/01/2017_ETDP_MRL.pdf

Amin Ganjali Poudeh, Vahid Khorasani Nejad, Arghavan Dalvand, Ali Rabbani Doost, Moein Amirian Keivanani, **Hamed Shirazi**, Saeid Esmaeelpourfard, Meisam Kassaeian Naeini, and Aras Adhami-Mirhosseini (2018)
MRL Extended Team Description

Link: https://ssl.robocup.org/wp-content/uploads/2019/01/2018_ETDP_MRL.pdf

RESEARCH PROJECTS/ INNOVATION

Research executive manager

- Customization the “android open system platform (AOSP)” for point of sale (POS) devices (Customize, Develop, Build), Tosan Techno Production Site, Qazvin, Iran. (2023)
- “Cradle (HUB) for point of sale (POS)” (Design, Develop, Optimize, Build) Tosan Techno Production Site, Qazvin, Iran. (2023)
- “Cradle Tester (software) & Hardware Fixture” (Design, Develop, Build), Tosan Techno Production Site, Qazvin, Iran. (2023)
- “Active Noise Control system for Infant Incubators” (Research, Design, Build) Tosan Company, Tehran, Iran. (2021)
- “Handheld Spectroradiometer” Medical Device (Design, Develop & Build), Tosan Company, Tehran, Iran. (2019)
- “ORBI App-Controlled Robot” (Design, Develop & Build), SYNTECH Technology and Innovation Centre, Qazvin, Iran. (2018)

- “Small-size Soccer Robot” Mainboard (Design & Build), 4 x 50w BLDC motor driver, 1x 25w Brush DC motor driver, 2x 2.4 GHz RF transceiver, 1x Triple axis accelerometer and gyro, Mechatronics Research Laboratory (MRL), Qazvin, Iran. (2018)
- “25V / 250W Brushless DC Motor Controller” (Design & Build), Worked with Maxon Motors EC-Flat & EC-Max Series, Mechatronics Research Laboratory, Qazvin, Iran. (2017)
- “Infant Radiant Warmer” Mainboard (Design Revision), Tosan Company, Tehran, Iran. (2017)
- “Infant Home Phototherapy” Mainboard & Power supply unit (Design Revision), Tosan Company, Tehran, Iran. (2017)

CONFERENCES AND COMPETITIONS

- RoboCup IranOpen 2015 Competitions (8-10 April 2015, Tehran, Iran)
- RoboCup Competitions 2016 (30 June – 4 July 2016, Leipzig, Germany)
- RoboCup IranOpen 2017 Competitions (5-7 April 2017, Tehran, Iran)
- RoboCup Competitions 2017 (27 – 30 July 2017, Nagoya, Japan)
- RoboCup Asia-Pacific Competitions 2017 (12-18 December 2017, Bangkok, Thailand)
- RoboCup IranOpen 2018 Competitions (3-7 April 2018, Tehran, Iran)
- RoboCup Asia-Pacific Competitions 2018 (5-10 December 2018, Kish, Iran)

ADDITIONAL INFORMATION

Teaching experiences

- Teaching Schematic and PCB Designing and Programming MCUs in C language as electronics supervisor (2016- 2019) in Mechatronics Research Laboratory (MRL)

Honours and awards

- First Place of IranOpen RoboCup Competitions, 2015 Tehran, Iran Rescue Robot League. (April 2015)
- First Place of RoboCup Competitions, 2016 Leipzig, Germany Small Size Soccer League. (May 2016)
- First Place of Asia-Pacific RoboCup Competitions, 2017 Bangkok, Thailand Small Size Soccer League. (Nov 2017)
- First Place of IranOpen RoboCup Competitions, 2018 Tehran, Iran Small Size Soccer League. (April 2018)

Memberships

- Member of Iran's National Elites Foundation

Computer and hardware skills

- Excellent knowledge Embedded Systems Design and Development
- Excellent knowledge in hardware design (Schematic and PCB) using Altium Designer
- Excellent knowledge in digital and analogue circuits design
- Excellent knowledge in AOSP Customization and development
- Excellent Knowledge in C/C++/C# Programming languages also familiar with others
- Excellent knowledge in version control systems (git, github, gitlab)
- Excellent knowledge of microprocessors (STM32, nRF52, LPC, AVR...) programmable logic and standard buses and interfaces (USB, UART, I2C, SPI...)
- Strong skills in electronic circuit board assembly testing
- Excellent knowledge in Microsoft Office (Word, Excel, Power point)

PERSONAL SKILLS

Mother tongue(s) Persian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2