Peyman Yousefi

mail@pyousefi.com

Abdollahi Alley, Andarzgoo Blvd,
Tehran, Iran

Website: pyousefi.com
Phone: +989126842297

Education

B.Sc. Computer Engineering
2008 — 2012

Islamic Azad University Central Tehran Branch

Majoring in Hardware

Diploma in Mathematics & Physics
2001 — 2008

National Organization of Development of Exceptional Talents

Allameh Helli Highschool

Work experience

Arsheh Jaam-e-Jam
2016 — Present

Project Manager

- Introduction: Arsheh Jaam-e-Jam is the leadership in the MI industry in Iran for about 30 years.
- Responsibility: Project manager and R&D head engineer of designing and manufacturing the very first digital piano in the middle-east.

Arman Peyro Afzar
2011 — 2016

R&D Manager

- Introduction: R&D company in Mechatronics, Electronics and Software Programming.
- Designed and implemented many projects in Automobile, Railways, and IOT.

Shayegan Rahavard
2009 — 2015

R&D Counselor

Rahrovan Pouyesh Institute
2009 — 2011

IT Counselor

Robocup Asia Pacific
2018

Technical Committee Member

Robocup Iran Open
2015 — Present

Technical Committee Member

khawarizmi International Award		**2009 — 2011**
Technical Committee Member		

Amirkabir University of Technology		**2009 — 2010**
Robotics Technical Committee Member		

Other Robotics Competitions		**2008 — Present**
Technical committee (Referee)		

Technical committee member of more than 10 national robotic competitions.

Islamic Azad University Central Tehran Branch		**2008 — 2009**
Parseh Robotic Team Member		

Teaching experience

Farzanegan 6 Highschool   **2017 — Present**
Head of Robotics Group

Farzanegan 2 Highschool   **2015 — 2016**
Head of Robotics Group

AbouAliSina educational complex   **2009 — 2014**
Robotics Teacher

Other schools   **2009 — Present**
Robotics Teacher

Teaching Robot Design and Control, for K-12 level, in more than 20 schools.

Selected projects

Fine Posture   **2017 — 2019**
Medical Wearable Device

This miniature device alerts the user if it detects a body slouch. It has the capability of connecting to any smartphone with BLE for data logging.

- BLE v5.1, 6DOF IMU and Power management just in size of 7mm x 11mm.
- iOS app powered by Swift

3D Mechanical Measuring and Testing Unit   **2009 — 2018**
Automobile Industry

Many measuring and mechanical testing units for vehicle critical components in the automobile industry with the accuracy and resolution of 1 micrometer.

- Cylinder head gasket using Machine Vision
- Flywheel using LVDT
- Poppet Valve using LVDT
- Rear Axle using LVDT
- Steering Knuckle using LVDT

Digital Piano   2016 — Present
Musical Instrument

Design and manufacturing a unique, cost-effective, competitive digital piano in an acoustic cabinet with advanced features.

Open Field Security System   2016
Wireless Sensor Networking

Design and develop a long-range microwave security system based on wireless sensor networking technology using Zigbee smart mesh networking.

Turn Signal Tester   2016
Automobile Industry

Design and development of a mechanical and electrical testing unit of turn signal handle for Peugeot 405 and Samand vehicles.

Key Ignition Full Tester   2015 — 2016
Automobile Industry

Full vehicle starting key ignition tester for the automobile industry to test all of the mechanical and electrical parameters of the test plan for Peugeot 405, Samand and Pride 132 vehicles.

Security and Entry System   2014 — 2015
Automobile Industry

Design and development of an innovative security system and remote entry for Peugeot 405, Samand and Pride 132 vehicles using custom Keeloq technology.

SCADA system   2012 — 2013
Railways Industry

Tracking (by GPS) and monitoring (Different parameters) of power generators of trains on a server, in contract with RayLtd for RAJA Co (Iran's rail transportation company).

Precise Power Supply for   2012
Nanocoating
Nano Technology

Design and development of hardware and controller for a variable switching power supply, (0-800V 100mA) with simultaneous control on Voltage and Amperage, for a non-linear load (Nanocoating in plasma), in contract with Nanostructured Coatings Ltd.

Enhanced Taximeter   2012
Automobile Industry

Design and developing an enhanced taximeter for Iran's national taxi service organization.

Multi Axis CNC Machinery   2011 — 2012
Mechatronics Industry

Design and development of an expandable multi-axis asynchronous servo motor controller which used in many industrial projects.

Honors and Awards

Member of National Elites Foundation of Iran   **2013 — Present**
As a reward of achieving 3rd place in Sheikh Bahai Technopreneurship Festival

1st Place & best technical team, Robocup Asia Pacific   **2018**
Junior Rescue Maze League
As the mentor

2nd Place & best technical team, Robocup Iran Open   **2018**
Junior Rescue Maze League
As the mentor

2nd Place, Robocup Austria Open   **2014**
Junior Soccer League
As the mentor

2nd Place, Robocup Iran Open   **2014**
Junior Rescue Maze League
As the mentor

Ranked 4th, Robocup Netherlands   **2013**
Junior Rescue Maze League
As the mentor

1st Place, Robocup Japan Open   **2013**
Junior Soccer League
As the mentor

1st Place, Robocup Iran Open   **2013**
Junior Rescue Maze League
As the mentor

3rd Place, khawarizmi International Award   **2009**
Deminer Robotics League

Gold Medal, ITEX08   **2008**
Mechatronics Industry
Innovative 3D measuring system with the accuracy of 1-micron meter.

Bronze Medal, ITEX08   **2008**
Medical Industry
An innovative small wearable device which alerts the user in case of body slouch happens.

3rd Place, Robocup Iran Open   **2006**
Junior soccer League

Skills

Wearable Low Energy Devices
Medical Industry

Wireless Sensor Networking and Internet of Things
Based on BLE, LORA, Wifi, Zigbee, GPRS, 3G, 4G, GSM

Image Processing
OpenMV, OpenCV

Designing embedded solutions
Based on PIC, ARM, AVR, Raspberry pi, Arduino

Real Time Control Systems
Designing and implementing

Industrial Networks
CAN, RS485, ModBus, Ethernet

Audio Industry
Active filters, High and low power Amplifiers

Programming languages
C, C++, C#, Swift for iOS Dev, Python, .net, Assemly

Tools
Visual Studio, Codevision, MPLAB IDE, AVR Studio, Simplicity Studio, Xcode

Electronic Design
Altium Designer

Mechanical Design
Autocad, SolidWorks

Multi Agent Systems
Mechatronics Industry

Operating Systems
Windows, MacOS, Linux

Text Processing
Microsoft Office

Languages
Persian Native, English Proficient