

Edwin Babaians

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○ Educations

- ✓ **Robotic Engineering, M.SC.** September 2013- October 2015
Amirkabir University of Technology (Polytechnic Tehran) – GPA: 17.24 / 20 – 3rd
 - Thesis Title: “3D surface - based patient registration with MRI model with a RGB-D camera”.
 - Score of the Project: 20 / 20.
- ✓ **Hardware Engineering, B.SC.** September 2008- October 2012
Islamic Azad University South Tehran Branch – GPA: 17.85 / 20 – 1st
 - Thesis Title: “Design and Implementation of PID controller tuning system with Genetic Algorithm for a Quadrotor stability system”.
 - Score of the Project: 20 / 20.
- ✓ **Diploma of Mathematics** September 2004- October 2008
Alborz-e-no High school – GPA: 19.44 / 20

○ Research

1. Research and Development – Human Robot Interaction and A.I. Tasks for National Humanoid Robot of Iran, Sourena III Project, CAST lab. **University of Tehran**, PGITIC Advanced Systems and Technology Company. Supervisor: **Dr. Aghil Yousefi-Koma** (2015)
2. Software Team Leader – AUT@HOME – Sepanta service robot – Service Robot Lab, **Amirkabir University of Technology**. Supervisor: **Dr. Saeed Shiry Ghidary** (2015)
3. Research and Development – Hardware design and Microcontroller Programming Task – **Sharif University of Technology**, Supervisor: **Dr. Mansour Jamzad**. (2012)

○ Honors

1. **Ranked 1st** award in StartupWord 2016 Automatica Germany. Olive Intelligent Suitcase.
2. **Member** of Iranian National Elite Organization (Boniat Meli Nokhbegan) from 2016.
3. Certificate of participation in Robocup (**Ranked 7th** among 14 participants) (Brazil) - @Home league – AUT@Home Team. (2014)
4. **Ranked 2nd** in IranOpen 2014 (Tehran) – @Home league – AUT@Home Team
1. **Ranked 1st** award in Amirkabir University of technology robotics & artificial intelligence festival 4th national Kharazmi & robotics competitions (ARAF 2012) (Tehran), Service Robots, SUT Team.
2. **Honored** by the President of Islamic Azad University as a student of the elite among the total 2008 entries.

3. **Ranked 6th** among 35 participants - International Competition of Game Developments in Armenia (OpenGame 2012) – The Ring 2 Game.
4. **Ranked 1st** among all 200 students of Computer Hardware Engineering based on overall GPA– Islamic Azad University South Tehran Branch
5. **Primer prize** – Khwarizmi Youth Award (Innovation Prize) – Provincial level – Candidate for Nation Award – Team work
“Gooya Saz” Software - Persian OCR and Text to Speech software – (2007)
6. **Primer prize** - Khwarizmi Youth Award (Innovation Prize) – Provincial level – Candidate for Nation Award – Team work
“Guard Robot” – Security robot remotely connected to computer software – (2006)
7. **Exceptional Talent** Student for M.S. Entrance Exam (2013)

○ Publication

1. **“ReMoRo mobile robot platform based on distributed I/O modules for research and education purpose”**, *M. Karimi, A. Ahmadi, N. Khazaei, E. Babaians, S. Shiry Ghidary.*, The 3rd RSI/ISM International Conference on Robotics and Mechatronics (ICRoM2015), (2015).
2. **“Top-Down attention control for device communication manager on mobile robot platform”**, *A. Ahmadi, M. Karimi, N. Khazaei, E. Babaians, S. Shiry Ghidary.*, The 3rd RSI/ISM International Conference on Robotics and Mechatronics (ICRoM2015), (2015).
3. **“Skeleton and visual tracking fusion for human following task of service robots”**, *E. Babaians, N. Khazaei, A. Ahmadi, M. Karimi, S. Shiry Ghidary.* The 3rd RSI/ISM International Conference on Robotics and Mechatronics (ICRoM2015), (2015).
4. **“RobX–AUTCUP 2012 & Khwarizmi Robotic Competition@ Home League Team Description Paper”**, *A. Keipour, S. Sharifzadeh, E. Babaians, F. Taherpour, A. Malekpour, and H. Bakhshi Golestani.* (2012).
5. **“AUT@ Home 2014 Team Description Paper”** *A. Ahmadi, E. Babaians, A. Badamchi, M. Falahi, S. Gharghabi, R. Gomari, S. Jahangiri, M. Kariminoori, E. Khani, I. Mehrabi, A. Sheikhhajafari, and S. Shiry Ghidary,* International RoboCup2014 Joao Pessoa, Brazil (2014).

○ Work Experience

1. **CSDO & Founder** of Arsamrobotics (since 2016).
2. **CTO** of Software at Ikap Co. – Pardis Technology Park since (2014 - 2016).
3. **CTO** of Software – Development of Android based application as a Smart-Home complete control solution, PGITIC Advanced Systems and Technology Company (2013 -2015).
4. **Lead Software Developer** – Iranian National Channel TV Program IRIB 1 (“Sin Mesle Serial” TV Series Festival) & Developed live 3D statistic visualizer for TV Series, Ranked by Audience SMS’s (2012 - 2013).
5. **Lead Software Designer** – Development a restaurant management system (Android based Wi-Fi ordering system), Sadena International Company (2011-2013).
6. **Software Developer** – Developed live soccer stats broadcasting software, Iranian National Sports TV Program IRIB 3, Tehran, (2010-2011).