Bita Azari

CONTACT INFORMATION

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RESEARCH INTERESTS

⋄ Computer Vision
⋄ Machine Learning
⋄ Artificial Intelligence
⋄ Data Mining
⋄ Intelligent Robotics

EDUCATION

Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran
⋄ B.Sc. Information Technology,   2012 - 2016 (Expected)
   (Rank 2 among all Iranian Universities)
   (Rank 90 among the top Computer Science Universities In the World)
   • Cumulative Grade Average till now for:
      Total 102 units: 16.14/20
      Last Semester courses: 16.83/20
      Last year courses: 17.10/20

Farzanegan High School, Arak, Iran
⋄ Diploma in Physics and Mathematics Discipline   2008 - 2012
   • Cumulative Grade Average: 19/20
   • Affiliated with
   National Organization for Development of Exceptional Talents (NODET)

HONORS AND AWARDS

⋄ Awarded honorary **direct admission** to graduate school (M.Sc.) of Computer Engineering Department, Amirkabir University of Technology, without taking the national entrance exam for graduate schools as a reward of high academic records and achievements, 2015.
⋄ **3rd Place** in RoboCup Humanoid Teen-size Soccer League and **2nd Place** in Technical Challenge, International RoboCup Competition, Hefei, China 2015.
⋄ **2nd Place** in Teen-Size Humanoid Technical Challenge (AUT-UoFM team member), International Robotic IranOpen Competition, Tehran, Iran 2015.
⋄ In the **top 0.2%** among more than 450,000 participants in the Nation-wide University Entry Exam of Iran in Math. and Physics; consequently, recognized as Outstanding Student, 2012.
⋄ Second Place in English Knowledge Competition, Iran Ministry of Education, Arak, Iran, 2009.
⋄ Accepted in NODET High School Entrance Exam, National Organization for Development of Exceptional Talents, Arak, Iran 2007.

CONFERENCE PUBLICATIONS

[1] Sh. Gharghabi, **B. Azari**, F. Shamshirdar, R. Safabakhsh. Imporving Person Recognition By Weight Adaptation of Soft Biometrics. *(to be submitted)*, September 2015.

[2] M. Falahi, S. Kamali, **B. Azari**, K. Preuschoff, Sh. Gharibzadeh. The hysteresis of time-value curvature caused by directional gainloss delay variation. *International Conference on Neuroeconomics, Society for Neuroeconomics*, September 2015.

[3] S. Ramezani, M.H. Heydari, F. Shamshirdar, **B. Azari**, S. Sadeghnejad, A.H. Hosseinimehr, J. Anderson, J. Baltes et al. AUT-UofM Humanoid Teen-Size Team Descrip-

tion Paper 2015. *International RoboCup Competition, Humanoid Teen-Size Robot League*, July 2015.

[4] T.A. Shangari, F. Shamshirdar, **B. Azari**, M.H. Heydari, S. Sadeghnejad, J. Baltes. Real-time Ball Detection and Following Based on a Hybrid Vision System with Application to Robotic Soccer Field. *International RoboCup Symposium*, December 2014.

NOTABLE COURSEWORK AND TECHNICAL REPORTS

- **B. Azari**, F. Shamshirdar, Static Search Engine Implementation. *project report for Data Storage and Retrieval course*, 2015. (in persian)
- **B. Azari**, FR. Nobakht, Sh. Ramazi, Design and Implementation of an Health Care Organization system using both structural and object oriented approaches.*project for Software Engineering I*, 2015.
- **B. Azari**, Techniacal Report on Face Recognition based on Gabor Wavelets and PCA. *project for Research Method and Report Writings*, 2015. (in persian)
- **B. Azari**, Implementation of a simple Kernel Module. *project for Operating Systems*, 2014.
- **B. Azari**, Implementation of 8 puzzle solver using MFC (using bst and decision tree to achieve the closest answer)*project for Data Structures and Algorithms*, 2013
- **B. Azari**, Implementation of a simple multiplayer Java-based Game. *project for Advanced Programming*, 2013.
- **B. Azari**, Implementation of a diary notebook using C. *project for Principles of Computer and Programming*, 2012.

RESEARCH EXPERIENCE

Robotics Research Laboratory
Amirkabir University of Technology, Tehran, Iran
Research Assistant, Supervisors: Prof. Saeed Shiry Ghidary, Prof. Reza Safabakhsh
2013 - Present
◇ Person Re-identification for @home robot
Research on human re-identification using face and skeleton features based on 3D images in order to detect a person then re-identify and follow him/her.

Humanoid Robotic Laboratory
Amirkabir University of Technology, Tehran, Iran
Research Assistant, Supervisors: Prof. Mohsen Bahrami, Prof. Jacky Baltes   2012 - 2014
◇ AUT-UofM Humanoid Robot (Joint team with Snobots from University of Manitoba)
Research on object detection and modeling, robot localization based on Customized ROS Framework, OpenCV for AUT-UofM appeared in International Competitions and Conferences.

TEACHING EXPERIENCE

Amirkabir University of Technology,Tehran, Iran
Teaching Assistant
(sample graded material and student evaluations available upon request)
◇ Principles of Computer and Programming, Instructor: Prof. S. Shiry Ghidary (Fall 2014)
◇ Principles of Computer and Programming, Instructor: Prof. B. Bakhshi (Fall 2014)
Iran Language Institute,Arak, Iran
English Instructor
◇ Teaching English as a Second Language (ESL) to Teenagers.

PROFESSIONAL EXPERIENCE

Lecturer
7th Linux Festival Department of Computer Engineering, Amirkabir University of Technology,

July 2014
- Intoduction to Linux
- Intermediate Linux

Technical Staff
- *6th Linux Festival*, July 2013

CERTIFICATION   **Teacher Training Course (TTC) Certificate**
Iran Language Institute , 2011

SKILLS
- ◇ PROGRAMMING: C/C++, Java, HTML, Objective-C, PHP, Matlab
- ◇ LIBRARY: OpenCV
- ◇ SCRIPTING: JavaScript, Bash, Lua
- ◇ OPERATING SYSTEM: Linux, Mac OS, Windows
- ◇ TYPESETTING: LaTeX, Microsoft Word

SPOKEN LANGUAGES
- ◇ **Persian**: native speaker
- ◇ **English**: Fluent
  - **TOEFL**: 104/120 (Reading: 27/30, Listening: 26/30, Speaking: 24/30, Writing: 27/30)
  - **1st Place** in IELTS Tentative Test, Iran Language Institute, Arak, Iran 2008
- ◇ **Arabic**: Fair in reading and listening

HOBBIES
- ◇ Drawing
- ◇ Reading Books
- ◇ Swimming
- ◇ Playing Classical Guitar

Last Update: 5 September 2015