

Curriculum vitae

Arash Ashari

Artificial Creature and CLAWAR laboratory, Khodro building, Sharif University of Technology,
Tehran, Iran
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Education

M. Sc. in Computer Engineering (Artificial Intelligence & Robotics)

Sharif University of Technology

Tehran, Iran

Sep. 2005 – Dec 2007

Thesis title: “Control of an assistant arm based on force-feedback and learning”

GPA 18.32 / 20

B. Sc. in Computer Engineering (Software)

Iran University of science and Technology

Tehran, Iran

Sep. 2001 - Sep. 2005

B. Sc. Project: “Error recovery in compilers based on intelligent methods”

GPA 16.19 / 20 (of the last two years: 17.3)

Honors and Awards

- Selected for continuing education in Ph.D. position at the Sharif University of Technology by passing the Entrance Exam, Spring 2007.
- Ranked 24th among 5000 participants in the National Graduate Examination for Computer Engineering, Iran.
Sep. 2005.
- Ranked 43th among participants of third regions in the National Entrance Examination for Iranian Universities, Iran.
Sep. 2001.
- Distinguished Student Award in Computer Engineering, Iran University of Science and Technology, 2003-2004.
- Distinguished Student Award in Computer Engineering, Iran University of Science and Technology, 2004-2005.
- Semifinalist, National Computer Olympiad, Tehran, Iran 2000.

Research Interests

- Machine Learning
- Machine Vision
- Image Processing
- Control of Humanoid and Wearable Robotics
- Human Machine Interaction

Publications

1. Arash Ashari, Saeed Bagheri Shouraki and Seyed Hossein Khasteh, ”**Prediction of arm’s joints angle, toward control of an assistive arm**”, In 16th Iranian Conference on Electrical Engineering (ICEE2008), Tehran, Iran, May 2008.
2. Arash Ashari and Mansour Jamzad, ”**Local thresholding in text image with uneven illumination based on Wavelet decomposition**”, In Proc. 4th Iranian Conference on Machine Vision and Image Processing (MVIP), Mashad, Iran, February 2007.
3. Arash Ashari and Mansour Jamzad, ”**Combined, adaptive filter of peak-valley, min-max and median for impulsive noise elimination with details preservation**”, In Proc. 4th Iranian Conference on Machine Vision and Image Processing (MVIP), Mashad, Iran, February 2007.

English Proficiency

- **TOEFL (Test of English as a Foreign Language)**
Paper Based - January 2008 - Score: 637
- **TWE (Test of Written English)**
Paper Based - August 2007 - Score: 4.5
- **GRE (Graduate Recorded Exam - General)**
Paper Based - October 2007 - Scores: Verbal 330, Quantitative 800, Analytical Writing 3

Experiences

- **Lecturer**
Department of aviation Industry, University of Applied Science and Technology, Azadi town, Tehran, Iran, Fall 2005, Courses: "Computer Fundamentals and Programming", "Advanced Computer Programming" and "Principles of Software"
- **Teaching Assistant**
 - Department of Computer Engineering, Iran University of Science and Technology, Fall 2004 and Spring 2005, Course: "Theory of Languages and Automata"
 - Department of Computer Engineering, Iran University of Science and Technology, Spring 2005, Course: "Compiler Design"
 - ELearning Center, Iran University of Science and Technology, Fall 2005, Spring 2006 and Fall 2006, Courses: "Computer Fundamentals and Programming", "Advanced Computer Programming" and "Data Structures and Algorithms"
 - Department of Computer Engineering, Sharif University of Technology, Spring 2007, Courses: "Data Structures and Algorithms"
 - Department of Computer Engineering, Sharif University of Technology, Fall 2007, Courses: "Algorithms Design" and "Machine Learning"
- **Research Assistant**
-Sharif University of Technology, March 2006-Present,
Climbing and Walking robot laboratory, Under Supervision of Dr. Saeed Bagheri Shouraki
Field of Research: wearable robot and its control based on learning
- **Programmer**
AsaaSoft Corporation, Feb 2005 – Sep 2005, Tehran, Iran
As a .net Programmer

Technical Skills

- **Programming Languages**
Proficient in C, C++, Pascal, 80x86 Assembly, Matlab, Delphi, C#.net
Familiar with Java, J#.net
- **Tools and Web Development**
Proficient in MS Office and Crystal Report
Familiar with ASP.NET, HTML and XML
- **Database Systems**
Proficient in SQL Server
- **Environments**
Proficient in Windows Series
Familiar with Linux

References

- **Saeed Bagheri Shouraki, Ph.D.**
Associate Professor, Department of Computer Engineering, Sharif University of Technology, Tehran, Iran
Email: bagheri-s@sharif.edu
- **Mansour Jamzad, Ph.D.**
Associate Professor, Department of Computer Engineering, Sharif University of Technology, Tehran, Iran
Email: jamzad@sharif.edu
- **Hamid Beigy, Ph.D.**
Assistant Professor, Department of Computer Engineering, Sharif University of Technology, Tehran, Iran
Email: beigy@ce.sharif.edu
- **Saeed Parsa, Ph.D.**
Associate Professor, Department of Computer Engineering, Iran University of Science and Technology, Tehran, Iran
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