

# CURRICULUM VITAE

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## ELNAZ NOURI

Sharif University of Technology  
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### OBJECTIVE

Pursuing my studies toward Ph.D. in the field of Computer Science in order to fulfill my passion and acquire knowledge and experience for a productive life and career in research.

### RESEARCH INTERESTS

- Artificial Intelligence
- Human and Computer Interaction
- Computer Vision
- Information Systems and Data Mining

### EDUCATION

**2004–2008** Sharif University of Technology, Tehran, Iran

**B.Sc. in Computer Engineering**, Major: Software Engineering

GPA: 17.10/20

Last Year's GPA : 18.85/20

18.71(Fall), 18.97/20(Spring), 19.1/20(Summer)

*Major courses:* Artificial Intelligence(A+), Design and Analysis of Algorithms(A+), Digital Electronics(A+), Digital System Design(A+), Computer Networks(A+), Web Programming(A), Compiler Design(A+), System's Design and Analysis(A+), Computer Networks(A+), Operating Systems(A), Theory of Machines and Languages(A+), Database Systems(current), Expert Systems(current), Programming Languages(current), System Simulation(current)

**2000–2004** Farzanegan High school(a special school for gifted students), Tehran, Iran

Part of National Organization for Development of Exceptional Talents

**Diploma, Mathematics and Physics Discipline**

GPA :19.90/20 3.98/4

**1998–2000** Farzanegan Junior school(a special school for gifted students), Tehran, Iran

Part of National Organization for Development of Exceptional Talents(NODET)

GPA :19.96/20 3.99/4

### HONORS AND AWARDS

- **Honorary Admission** for Graduate Study in Sharif Computer Engineering Department, Fall 2007.
- **Ranked 10th** Among all 120 Computer Engineering students based on overall GPA, Fall 2007.
- **Ranked 5th** Among all 120 Computer Engineering students based on overall GPA, Fall 2004.
- **Ranked 12th** Among more than 500,000 participants in National University Entrance Exam, 2004.
- Semifinalist in National Olympiad in all 5 different majors : Computer, Mathematics, Chemistry, Physics and Literature; Spring 2003.

- Semifinalist in National Olympiad in 2 majors : Computer, Mathematics, Spring 2002.
- Selected for National Organization for Development of Exceptional Talents(NODET)through an exam among 700,000 participants, 1998.

## RESEARCH PROJECTS

- **Working on Pacman Agent**, Implementing the Simulator for the game and investigating the performance of different algorithms, supervisors: Dr. Bagheri, R. Halavati(PhD Candidate) - Artificial Intelligence Lab, Sharif University of Technology. (*current*)
- **Working on Multi Camera Scene Reconstruction using graph cuts**, supervisors: Prof. Mehrdad Shahshahani, Dr. Niloofar Gheissari - Institute for Studies in Theoretical Physics and Mathematics (IPM). (*current*)
- **Design and Implementation of a Rule Based Agent for the Ms. Pacman Game**. Our agent ranked 3rd in the IEEE Competition in Essex University, supervisors: Dr. Bagheri, R. Halavati - Artificial Intelligence Lab, *Summer 2007*.
- **Design and Implementation of Function's Root Estimator by Genetic Algorithm**, supervisors: Dr. Bagheri, R. Halavati (PhD Candidate)- Artificial Intelligence Lab, Sharif University of Technology.*Spring 2007*.
- **Research on Receiver Operating Characteristics (ROC) graphs** as a technique for organizing classifiers and visualizing their performance. The research included analysis of the use of the ROC convex hull and the area Under the ROC Curve in the Evaluation of Machine Learning Algorithms along with implementation of the ROC Convex Hull Algorithm in Java and adding the component to Weka, supervisors:Prof. J. Habibi,M. Saniee PhD Candidate - Data mining Lab, Sharif University of Technology. *Summer 2006*.
- **Analysis and Technical Report on Self Organizing Data Structures**,supervisor: Dr. H. Beygi - Sharif University of Technology.*Spring 2006*.

## PUBLICATIONS

- **Pacman Agent : an Evolutionary Algorithm**: Elnaz Nouri, Pantea Jabbary, R. Halavati , S. Bagheri, to be submitted to Essex on December 31st.

## TEACHING ASSISTANCE EXPERIENCE

- Computer Engineering Department, Sharif University of Technology
  - Operating Systems, *Prof. R. Jalili, Fall 2007*.
  - Computer Structure and Language, *Prof. G. Miremadi, Fall 2007*.
  - System's Analysis and Design, *Prof. J. Habibi, Fall 2007*.
  - Fundamentals of Data Structures and Algorithms, *Prof. H.Beygi, Spring 2007*.
  - Computer Networks, *Dr. Malekian , Spring 2007*.
  - Introduction to Programming in C++, *Mr HajAbutalebi, Fall 2005*.

Responsibilities included: *designing and marking assignments, preparation of course slides,grading and evaluation of projects, taking quizzes, updating course's homepage and regular problem solving sessions.*

## WORK EXPERIENCES

- 0and1 Information Technology and E-Commerce company ,Summer 2007  
Working as an intern in an enterprise software development team which designs and implements information systems for Iran's Government .
- Teaching High school Math

## PROFESSIONAL SKILLS

- Programming language:C, C++, Java, Prolog, MATLAB
- Operating Systems : GNU/Linux(administration),Windows
- Web Development Technologies : Struts , Hibernate , PHP, Java scripts
- Typesetting : Ms Word ,  $\text{\TeX}$ , Farsi $\text{\TeX}$

## LANGUAGE SKILLS

- English : Fluent  
TOEFL: Internet based - 5 October 2007  
Total: 116/120 - Reading 30/30, Listening 30/30, Speaking 27/30, Writing 29/30  
  
First Certificate in English by University of Cambridge (ESOL Examination) - June 2003  
Awarded : Grade A  
Senior Proficiency certificate in English by Iran Language Institute ,issued on September 2002
- Persian (Farsi) : is my native language
- Spanish  
Reading, Listening and Speaking : Good, Writing : Moderate
- Arabic  
Reading and Listening : Very Good, Writing and Speaking : Moderate

## OTHER ACTIVITIES

- Sports  
Swimming : Main Member of Sharif Swimming Team since 2004
    - **Ranked 3rd**National Sports Olympiad - Kerman, Iran Summer 2006.
    - **Ranked 1st**National Competition among Public Universities Students - Karaj, Iran Summer 2005.
    - **Life Guard License** Issued by Lifeguard and Diving Federation of Islamic Republic of Iran - Tehran, Summer 2003.
    - **Ranked 3rd** National competitions of students - Tehran ,Iran Spring 2000.
    - Member of Tehran Swimming Team - Summer 2000.Karate(Ishin Rio)- Orange Belt, Tennis, Skiing
  - Music  
As a child I received lessons of Orf, Music Theory and Solfege in Nava Music Centre(Tehran,Iran) under the supervision of Kamal Taravati, I played Piano since I was seven. I also play Daf which is a traditional iranian instrument.
  - Cultural  
I was a member of Children of the Earth Foundation(Velenjak, Tehran, Iran) which was supported by M. Khatami President of Iran at the time.  
I was selected as Junior Referee for the Hamshahri's Book of the Year event, 2003.
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