

# Curriculum Vitae

## Elnaz Nouri

Computer Science Department  
University of Southern California  
Los Angeles, California  
Cell phone: +1 (213) 300 61 71  
Email: [enouri@usc.edu](mailto:enouri@usc.edu)  
[elno@ce.sharif.edu](mailto:elno@ce.sharif.edu)  
Web: <http://ce.sharif.edu/~elno>

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### Personal Information

Gender: Female  
Date of Birth: May 3rd, 1986 (Tehran, Iran)

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### Education

2008–Now University of Southern California, LA, CA

**PhD student in Computer Science (recipient of Provost Fellowship)**

2004–2008 [Sharif University of Technology](#), Tehran, Iran

B.Sc. in [Computer Engineering](#), Major: Software Engineering

GPA: 17.09/20

Last Year's GPA: 18.85/20

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

- Provost Fellowship from University of Southern California (It's the most prestigious university-wide scholarship), Fall 2008.

- Honorary Admission for Graduate Study in Sharif Computer Engineering Department, Fall 2007.

- Selected Student in terms of Study and Sports Sharif University of Technology, 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,. Fuzzy Genetic Algorithm for the Pacman agent; Artificial Intelligence Lab, Sharif University of Technology. ( *July 2007* )
- Working on Multi Camera Scene Reconstruction Using Graph Cuts, I have worked on Energy Functions and disparity maps - Institute for Studies in Theoretical Physics and Mathematics (IPM). ( *Summer 2007* )
- Design and Implementation of game simulator and Rule Based Agent for the Ms. Pacman Game, Our agent ranked 3rd in the [IEEE Competition in Essex University](#). *Summer 2007*.
- Melkut : Social Networking Web Application – follows MVC architecture and uses several different frameworks and technologies for improving its security, reliability and performance, the Project also has strong User Interface which is essential for a web application;
- Design and Implementation of Functions Root Estimator by Genetic Algorithm, - Artificial Intelligence Lab, Sharif University of Technology. *Spring 2007*.
- Design and Implementation of an Information System for GalleriA - Antique Shop- Sharif University of Technology. *Fall 2006*.
- 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,- Data mining Lab, Sharif University of Technology. *Summer 2006*.
- Analysis and Technical Report on Self Organizing Data Structures - Sharif University of Technology. *Spring 2006*.
- Servlet Container, The servlet Container loads the servlet class by using Reflection and invokes its methods.For each request it constructs instances of ServletRequest and ServletResponse objects - Sharif University of Technology. *Spring 2005*.
- Data Compression Software - ZIPEA, The program consists of three different algorithmic components for compressing files: Burrows-Wheeler Transform, Move-to-front Encoding, Huffman Encoding.- Sharif University of Technology. *Fall 2004*.

## 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.
  - [Systems Analysis and Design](#), Prof. J. Habibi, Fall 2007.
  - [Fundamentals of Data Structures and Algorithms](#), Prof. H.Beygi, Spring 2007.
  - [Computer Networks](#), Mr. Malekian , Spring 2007.
  - [Introduction to Programming in C++](#), Mr HajAbutalebi, Fall 2005.

## Work Experiences

- [OandI Information Technology Company](#) ,*Summer 2007*
  - Working as intern within an enterprise software team which has been developing "Real Estate Registration Automation - MEYSAM" project.
- Teaching High school Math

## Professional Skills

- Programming Languages : C, C++, Java 2 SE, Java 2 EE, Prolog, MATLAB
- Operating Systems : GNU/Linux(administration), Windows
- Web Development Technologies : Struts, Hibernate, PHP, Ajax, Java scripts

- Typesetting : Ms Word, TEX, FarsiTEX

## Language Skills

- English : Fluent
  - \* GRE General - October 2007  
Verbal 610(87%), Quantitative 800(94%), AW 3.5
  - \* TOEFL(iBT) - October 2007  
Total: 116/120 - Reading 30/30, Listening 30/30, Speaking 27/30, Writing 29/30
  - \* TOEFL(pBT) - October 2007  
Total: 667/677 - TWE: 5.0
  - \* 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
  - \* Junior Proficiency Certificate in English by Iran Language Institute, 2001
- Persian (Farsi) : is my native language, Spanish, Arabic

## Other Activities

- Sports
  - Swimming :
    - I attend USC swimming club practice
    - Main Member of Sharif Swimming Team since 2004-2008
      - 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.I have more than 20 national medals in swimming.
  - Karate(Ishin Rio)- Yellow Belt, Tennis, Skiing