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RESEARCH INTERESTS

Artificial Intelligence: Artificial Emotions, Machine Learning, Expert Systems.
Algorithms: Data Structures and Algorithms Design.

EDUCATION

- ◇ **Sharif University of Technology**, Tehran, Iran, September 2009 - June 2011 (exp).
M.Sc. in Artificial Intelligence, Major: Software Engineering
- ◇ **Sharif University of Technology**, Tehran, Iran, September 2004 - June 2009.
B.Sc. in Computer Engineering, Major: Software Engineering
GPA: 15.3/20 (excluding first year GPA: **16.4/20**) Degree Expected for Summer 2009
Relevant coursework (GPA 18.2/20): Expert Systems (A⁺), Artificial Intelligence (A⁺), Introduction to Programming (A⁺), Digital Systems Design (A⁺), Design of Algorithms (A⁺), Data Structures (A⁺), Theory of Languages and Machines (A⁺), Software Engineering (A), Modern Information Retrieval (A), Operating Systems (A), Compilers Design (A), Design of Programming Languages (A), Computer Networks (A)
- ◇ **Shahid Soltani High School**, Karaj, Iran, September 2000 - June 2004.
Affiliated with the National Organization for the Development of Exceptional Talents (NODET), Diploma in Physics and Mathematics Discipline. **GPA 19.2/20**

HONORS AND AWARDS

- ◇ **Ranked 9th** in first step of 14th Iran National University Students' Olympiad on Computer Engineering, May 2009, Tehran, Iran.
- ◇ **Ranked 16th** in Artificial Intelligence and **9th** in Software Engineering field of nationwide M.Sc entrance exam among more than 11000 participants, May 2009, Tehran, Iran.
- ◇ **14th Team** in ACM ICPC World Final Competition, April 2009, Stockholm, Sweden.
- ◇ **1st Team** in Regional Contest of ACM ICPC, West Asia Site, Dec 2008, Tehran, Iran.
- ◇ **Ranked 12th** in Artificial Intelligence and **20th** in Software Engineering field of nationwide M.Sc entrance exam among more than 11000 participants, Feb 2008, Tehran, Iran.
- ◇ **2nd Team** in Regional Contest of ACM ICPC, West Asia Site, Dec 2007, Tehran, Iran.
- ◇ **4th Team** in Regional Contest of ACM ICPC, West Asia Site, Dec 2006, Tehran, Iran.
- ◇ **5th Team** in Regional Contest of ACM ICPC, West Asia Site, Nov 2005, Tehran, Iran.
- ◇ **Silver Medal** in International Olympiad in Informatics (IOI), 2004, Athens, Greece.
- ◇ **Gold Medal** in Iranian National Olympiad in Informatics, 2003, Tehran, Iran.
- ◇ **Silver Medal** in Iranian National Olympiad in Informatics, 2002, Tehran, Iran.

TEACHING EXPERIENCES

- Design And Analysis of Algorithm** *Teacher Assistant - Head TA*
Sharif University, CE Department
Tehran, Iran **Spring 2007, Spring 2008, Spring 2009**
(**3 Semesters**) Responsibilities included: Managing other TAs; Occasional lectures; Designing problems for exams; Grading exam sheets. Instructors: Prof. Ghodsi and Dr. Safari.
- Web Programming Course** *Teacher Assistant - Head TA*
Sharif University, CE Department
Tehran, Iran **Fall 2008**
Responsibilities included: Managing 3 other TAs; Designing and grading exercises; Offering and grading course projects; Grading exam sheets. Instructor: Dr. Safari.
- Introduction to Programming (C++)** *Teacher Assistant - Head TA*
Sharif University, CE Department

Tehran, Iran **Fall 05, Spring 06, Fall 07, Spring 08**
(4 Semesters) Responsibilities included: Managing other TAs; Attending Problem Solving Classes; Designing problems for exams; Grading exam sheets. Instructors: Mr. Hajaboutalebi and Mr. Mousavi.

An Intro To Artificial Intelligence *Teacher Assistant*
Sharif University, CE Department
Tehran, Iran **Spring 2007, Spring 2008**
(2 Semesters) Responsibilities included: Designing problems for exams; Grading and defining 4 coding projects; Instructor: Mr. Halavati.

Simple Webbing (Work & Study) *Instructor*
Sharif University, CE Department
Tehran, Iran **Spring 2007, Summer 2008**
(2 Semesters) Instructing web design to undergraduate students. Topics included HTML, CSS, JavaScript, PHP, MySQL up to designing a web-application. There were 40 students in first semester and 25 in second for 8 sessions of 2 hours each, in average.

Programming From 1 (Work & Study) *Instructor*
Sharif University, CE Department
Tehran, Iran **Summer 2007**
Instructing how to implement standard and pretty codes, specially in C++ and with STL. The classes are held in Computer Engineering Faculty of Sharif University. A joint work with Mohammad Mahini.

ACM ICPC Trainer and Instructor *Instructor*
Iran University of Science and Tech
Tehran, Iran **Summer 2007**
Instructing how to prepare a successful team and also technical issues (algorithm, coding facilities) of ACM ICPC competition to some selected students of Iran University of Science and Technology. They got 12th place (4th university) at the final competition.

Head of the Summer Camp *Manager, Instructor*
Young Scholars Club
Tehran, Iran **Summer 06, Summer 07, Summer 08**
Scheduling, coordinating, reporting, being responsible of training sessions (and exams) of top 30 students of nationwide exam and 15 teachers for 9 weeks (each summer), for 3 consecutive years. Along with that, instructing Data Structures, Design and Analysis of Algorithms and Programming (C++) had been some other responsibilities.

MEMBERSHIPS

- ◇ **(Oct 2007 - Nov 2008)** National Committee of Informatics Olympiad, Young Scholars Club, Tehran, Iran.
- ◇ **(Oct 2004 - Nov 2008)** Scientific (Students) Committee of Informatics Olympiad, Young Scholars Club, Tehran, Iran.
- ◇ **(Jun 2007 - May 2008)** Students Scientific Council, Computer Engineering Department, Sharif University of Technology, Tehran, Iran.

SKILLS

- ◇ **Human Languages** : Proficient in Persian (Native), English. Acquaintance in Arabic (Reading, Writing) and Turkish (Speaking).
- ◇ **Programming Languages** : C++, PHP, C, Java, Pascal, Assembly, Scheme, Prolog, NS2.
- ◇ **Web and Markups** HTML, XHTML, CSS, MySQL
- ◇ **Operating Systems** : Linux, Windows, DOS.
- ◇ **Typesettings and Editors** : T_EX, L^AT_EX, Emacs, Microsoft Office

TEST
SCORES

TOEFL (Nov 2008): Internet-Based Test **92/120**
Reading (28/30), *Listening* (22/30), *Speaking* (18/30), *Writing* (24/30).
GRE Computer Science Subject (Apr 2008): **830 (87%)**.

HOBBIES

Sports : Football, Basketball, Swimming, Chess.
Art works : Photography, Persian and English Literature, Journalism.

REFERENCES

1. **Mohammad Ghodsi, Professor**, Department of Computer Engineering, Sharif University of Technology, Tehran, Iran. web: <http://sharif.edu/~ghodsi>, email: ghodsi@sharif.edu, phone: +98(21)6616-4625.
2. **Hassan Abolhassani, Associate Professor**, Department of Computer Engineering, Sharif University of Technology, Tehran, Iran. web: <http://sharif.edu/~abolhassani>, email: abolhassani@sharif.edu, phone: +98(21)6616-4648.
3. **Mohammad Ali Safari, Assistant Professor**, Department of Computer Engineering, Sharif University of Technology, Tehran, Iran. web: <http://safari.academier.com>, email: safari@academier.com, phone: +98(21)6616-4609.
4. **Ramin Halavati, PhD Candidate**, Department of Computer Engineering, Sharif University of Technology, Tehran, Iran. web: <http://ce.sharif.edu/~halavati>, email: halavati@ce.sharif.edu, phone: +98(21)6616-4102.