

# CURRICULUM VITAE

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## BAHAR QARABAQI

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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
- Machine Learning
- Expert Systems
- Information Systems
- Information Retrieval
- Data Mining

### ■ EDUCATION

- **2004–2008** Sharif University of Technology, Tehran, Iran  
B.Sc. in Computer Engineering, Major: Software Engineering  
**GPA:** 16.95/20  
**Last Year's GPA:** 17.39/20  
16.49 (Fall), 17.96/20 (Spring), 19.3/20 (Summer)  
**Major Courses:**  
C Programming (A+), Logic Circuits (A+), Discrete Mathematics (A-), Computer Structure and Language (A+), Java Programming (A-), Digital Systems Design (A+), Design and Analysis of Algorithms (A+), Theory of Machines and Languages (A-), Computer Architecture (A-), Artificial Intelligence (A+), Web Programming (A-), Design and Analysis of Systems (A+), Programming Languages (A-), Expert Systems (A+), Digital Electronics (A+), Modern Information Retrieval (A), Software Engineering (A-), Object Oriented Design (current)
- **2000–2004** Farzanegan High School, under the supervision of NODET (National Organization for development of Exceptional Talents), Tehran, Iran  
Diploma, Mathematics and Physics Discipline  
**GPA:** 19.83/20

- **1997–2000** Farzanegan Junior School , under the supervision of NODET (National Organization for development of Exceptional Talents), Tehran, Iran  
**GPA:** 19.84/20

## ▪ HONORS AND AWARDS

- Winner of the first award of AICup (an Intra-University Artificial Intelligence Competition), Spring 2007.
- Ranked 200th among more than 500,000 participants in the National University Entrance Exam, 2004.
- Semifinalist in the National Olympiad in Computer Major: Spring 2003.
- Selected as a qualified student to join the National Organization for Development of Exceptional Talents (NODET) through an exam among more than 700,000 participants, 1998.

## ▪ RESEARCH PROJECTS

- Design and Implementation of a Search Engine, Spring 2008
- Design and Implementation of a Rule-Based Expert System for Diagnosis of Lung Diseases, Fall 2007
- Design of a Website for Creating and Sending eCards, Spring 2007
- Design and Implementation of an Automation System for a Restaurant (including internal system and a website for online ordering), Spring 2007
- Design and Implementation of a Compiler for MiniJava Language (a simplified form of Java) applying Java, Fall 2006
- Design and Implementation of an Intelligent Backgammon Player, Fall 2006
- Design and Implementation of a Simple Operating System, Fall 2006
- Simulation of a simple CPU with Verilog, Spring 2006
- Design and Implementation of a Music Composer Program using Java, Fall 2005
- Implementation of Huffman Compression Algorithm applying C++, Fall 2004

## ▪ PUBLICATIONS

- B. Qarabaqi, M. Yahyanejad, “An Introduction to Transaction Concepts”, Technical Report, Sharif University of Technology, Spring 2007
- B. Qarabaqi, N. Ardalani, “Performance Analysis of Splay Trees”, Technical Report, Sharif University of Technology, Spring 2006
- B. Qarabaqi, N. Ardalani, “Topology Discovery using Spanning Tree Algorithm”, Technical Report, Sharif University of Technology, Spring 2006

## ■ THESIS

“Weblog Clustering Using Density Based Algorithms”, B.S. Thesis, under supervision of Dr. Habibi (in progress).

## ■ WORK EXPERIENCES

- Teaching Assistance
  - Logic Circuits Design, Prof. M. Makki, Fall 2008
  - Logic Circuits Design, Prof. A.E. Kiasari, Spring 2008
- Member of the Organizing Team for an Intra-University Artificial Intelligence Competition, "On the Run", Sharif University of Technology, Fall 2006
- Information Technology Center, 2008  
Working as an Intern in an Enterprise Software Development Team which Designs and Implements Information Systems

## ■ PROFESSIONAL SKILLS

- Programming Languages: C, C++, C#, Java, SQL, Verilog HDL, Prolog, MATLAB
- Operating Systems: Linux, Windows
- Web Development Technologies: Struts, Hibernate, PHP
- Typesetting: Ms Word, TEX, FarsiTEX

## ■ LANGUAGE SKILLS

- English: Fluent
  - TOEFL: Internet Based - 28 September 2008
  - Total: 102/120
    - Reading: 28/30
    - Listening: 28/30
    - Speaking: 24/30
    - Writing: 22/30
- Persian (Farsi): is my native language