

## Hesamodin Mohammadian

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### RESEARCH INTERESTS

- Computer Vision
- Pattern Recognition
- Machine Learning

### EDUCATION

- **Kharazmi University**, Tehran, Iran  
M.Sc. Candidate, Artificial Intelligence, *Sep. 2012 - July. 2015*  
Thesis Title: Image Classification Base on Bag of Words Method  
GPA: 15.88 / 20 (32 units)
- **Iran University of Science and Technology**, Tehran, Iran  
B.Sc. , Software Engineering, *Sep. 2007 - Sep. 2012*  
Thesis Title: Distributed AI in Video Games  
GPA: 13.02 / 20 (142 units)
- **Hatef High School**, Tehran, Iran  
Diploma in Mathematics and Physics, *Sep. 2003 - Sep. 2007*  
GPA: 18.22 / 20

### HONORS AND AWARDS

- Achieve top 1% place among all applicants for the M.Sc. University Entrance Nationwide Exam (Approximately 30000 applicants) Iran, *2012*.
- Achieve top 0.5% place among all applicants for the B.Sc. University Entrance Nationwide Exam (Approximately 500000 applicants) Iran, *2007*.

### EXPERIENCES

- Programmer:  
**Simulator Developer Co**, Tehran, Iran, *Jan 2012 - Sep 2012*  
Worked as a web designer and programmer  
**Kala Co**, Tehran, Iran, *Jan 2013 - Dec 2013*  
Worked as a web designer and programmer
- Computer Lab Technician  
Iran University of Science and Technology, Tehran, Iran *fall 2009*

### TOP ACADEMIC COURSE PROJECTS

- **Machine Learning**  
Design and develop a back propagation neural network for classifying medical data.(MATLAB)
- **Neural Networks**  
Implementing different text classification methods and compare them.(MATLAB)
- **Database Systems**  
Design and developed a simple drugstore management system.

- **Compiler Design**

Design and developed a byte-code generator compiler for a simple XML-like language.

- **Computer Networks**

Designed and developed a DHCP Server. (Java)

- **Artificial Intelligence**

Designed and developed a simple platformer game using MS XNA. (C#)

- **Software Engineering 2**

Designed and developed a web-based product selling system.(PHP, CSS, HTML, Javascript)

## TECHNICAL SKILLS

- **Programming Languages**

Expert in: C++, Java, C#, ASP.Net, MATLAB, HTML, Javascript, CSS

Familiar with: X86 Assembly, PHP

- **Database Systems**

Expert in: SQL (MySql, SqlServer)

Familiar With: PostgreSql

- **Frameworks & Tools**

Expert in: NetBeans, Eclipse, Microsoft Visual Studio, Microsoft SQL server, Microsoft Office(word, pp, excel, access), jQuery, L<sup>A</sup>T<sub>E</sub>X

Familiar with: CodeIgniter, Bootstrap

- **Operating System**

Expert in : Windows Family, Ubuntu

## LANGUAGES

- **Persian (Farsi) :** *Native (Mother Tongue)*

- **English :** *Fluent*

*TOEFL score: 103 (Reading: 30, Listening: 28, Speaking: 22, Writing: 23)*

*GRE score: Quantitative: 160, Verbal: 145, Writing: 2.5*

- **Arabic :** *Familier*