

Hesamodin Mohammadian

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RESEARCH INTERESTS

- Machine Learning
- Pattern Recognition
- Computer And Network security
- Computer Vision

EDUCATION

- **Kharazmi University**, Tehran, Iran
M.Sc., Artificial Intelligence, *Sep. 2012 - July. 2015*
Thesis Title: Image Classification Based on Bag of Words Method
- **Iran University of Science and Technology**, Tehran, Iran
B.Sc., Software Engineering, *Sep. 2007 - Sep. 2012*
Thesis Title: Distributed AI in Video Games
- **Hatef High School**, Tehran, Iran
Diploma in Mathematics and Physics, *Sep. 2003 - Sep. 2007*

HONORS AND AWARDS

- Achieved top 1% place among all applicants for the M.Sc. University Entrance Nationwide Exam (Approximately 30000 applicants) Iran, *2012*.
- Achieved 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
- IT Assistant
Iran Military Justice (Military Service), Tehran, Iran, *Jan 2016 - August 2017*

TOP ACADEMIC COURSE PROJECTS

- **Machine Learning**
Back propagation neural network for classifying medical data.(MATLAB)
- **Neural Networks**
Implementing different text classification methods and compare them.(MATLAB)
- **Database Systems**
Simple drugstore management system.
- **Compiler Design**
Byte-code generator compiler for a simple XML-like language.
- **Computer Networks**
DHCP Server. (Java)

- **Artificial Intelligence**
Simple platformer game using MS XNA. (C#)
- **Software Engineering 2**
Web-based product selling system.(PHP, CSS, HTML, Javascript)

TECHNICAL SKILLS

- **Programming Languages**
Practical Knowledge of: C#, ASP.Net, MATLAB, HTML, Javascript
Familiar with: C++, Java, PHP, CSS
- **Database Systems**
Practical Knowledge of: SQL (MySql, SqlServer)
Familiar With: PostgreSql
- **Frameworks & Tools**
Practical Knowledge of: Microsoft Visual Studio, Microsoft SQL server, Microsoft Office(word, pp, excel, access), jQuery, L^AT_EX
Familiar with: CodeIgniter, Bootstrap
- **Operating System**
Practical Knowledge of: Windows Family, Ubuntu

LANGUAGES

- **Persian:** *Native*
- **English:** *Fluent*
TOEFL score: 101 (Reading: 28, Listening: 30, Speaking: 20, Writing: 23)
GRE score: Quantitative: 160, Verbal: 145, Writing: 2.5
- **Arabic:** *Familier*