

# Mohammad Gharehyazie

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## Education

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**Doctor of Philosophy in Computer Science (Network Theory)** Expected Mar 2016  
*University of California, Davis, Davis, CA* GPA: 3.76

Key Courses: Biological Networks, Programming Languages, Advanced Algorithms, Scientific Computing

**Master of Science in Artificial Intelligence** 2010  
*Sharif University of Technology, Tehran, Iran* GPA: 3.63

Thesis: *Applications of swarm intelligence in Arbitrary Shaped Clustering*

Key Courses: Machine Learning, Pattern Recognition, Neural Networks, Fuzzy Systems, Game Theory

**Bachelor of Science in Computer Engineering (Software Engineering)** 2007  
*Sharif University of Technology, Tehran, Iran* GPA: 3.40

Thesis: *Characters and shapes thinning using neural networks*

Key Courses: Operating Systems, Compiler Design, Computer Networks, Advanced Programming, Software Engineering

## Computer Skills

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**Programming Languages:** Java, C#, C++, R, Python, MATLAB

**Web Development:** HTML, JavaScript, CSS, PHP, ASP.NET, Office SharePoint Server

**Databases:** MS SQL Server, PostgreSQL, MySQL

**Software Engineering Skills:** Software development and engineering, Machine Learning, Statistical Analysis, Text Mining, Social Network Analysis, LaTeX, Version Control (**Git**, SVN), Linux, Windows

## Professional Experience

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**Member of the Biotechnology Development Campaign's Bioinformatics Workgroup** 2017

- Planning for the development and promotion of bioinformatics storage and analytics infrastructure in Iran

**Executive Vice President, IT Center, Sharif University of Technology** 2017

- Managing daily operations
- Supervising the renovation and modernization of university's software and hardware infrastructure
- Leading the development of software systems and services aimed at improving organizational efficiency

**Postdoctoral Researcher, ICT Innovation Center, Sharif University of Technology** 2016

- Developing cloud based Data Analytics services
- Providing Mobile Analytics solutions to developers

**Research Intern, University of California, Riverside** Summer 2014

- Lead a research project on extraction of user expertise from command trace data
- Worked on several phases of the project such as data sanitization, expertise extraction, statistical analysis and visualization

**System Developer, Kanoon Farhangi Amoozesh (KFA)** 2007-08

- Designed and developed a customized bookstore retail POS & inventory software
- Due to the wide of variety of KFA's demands, a unique and comprehensive POS and inventory system was needed for its 200+ sales branches spread across the country
- The system expedited handling customers' requests, which resulted in more than 30% increase in sales when utilized at KFA booths in Iran's International Book Fair 2008

**Web Developer and Designer** 2010-14

- Personal websites: [www.gharehyazie.com](http://www.gharehyazie.com) & [www.sotoodehyari.com](http://www.sotoodehyari.com)
- Royan Proteomics website for "Royan Institute"
- Iranian Proteomics Archives for "Agricultural and Biotechnological Research Institute of Iran"