

# Morteza Milani

No. 2, Venus 3 building, 7th East street  
Sepah town, Fardis, Karaj, Iran

Phone: +98-937-1490664  
Email: [m.milani@mail.sbu.ac.ir](mailto:m.milani@mail.sbu.ac.ir)  
URL: <http://milani.github.io>

## Education

- Sept 2012 - March 2015 **MSc in Computer Science**, Shahid Beheshti University (National University of Iran)  
Grade: 17.71/20 or First Class (88% average)  
Supervisor: Prof. Changiz Eslahchi  
Thesis: *Network completion problem survey on PPI networks*
- Sept 2008 - June 2012 **BSc in Computer Science**, Shahid Beheshti University (National University of Iran)  
Grade: 16.23/20 or First Class (81% average)  
Supervisor: Dr. Ali Katanforoush  
Project: *Automatic web-based homework assessment system*
- Sept 2007 - June 2008 **Pre-university Certificate**, Sadr High School  
Grade: 19/20 or First Class (95% average)
- Sept 2004 - June 2008 **High School Certificate**, Sadr High School  
Grade: 19.42/20 or First Class (97% average)

## Honors & Awards

- 2014 Elected as a member of Iran's National Elites Foundation  
Awarded by Iran's National Elites Foundation as I was among the top 1% students.
- 2012 Exceptional Talent Admission for the M.Sc. Program  
Awarded from Computer Science Department of Shahid Beheshti University
- 2012 Graduation in Computer Science 3rd Rank according to GPA among 2009 beginners at Shahid Beheshti University, Computer Science Department

## Research Experience

- May 2014 - Present **Research Assistant at Institute for research in fundamental sciences (IPM)**  
Working with Dr. Mehdi Mirzaie and Prof. Eslahchi on omics data using graph theories.

## Teaching & Talks

April 2014 **Exploratory Data Analysis**, Lab Demonstrator, Workshop on computational modeling in Cognitive Sciences, Cognitive Sciences Lab, Shahid Beheshti University

Jan 2012 - June 2012 **Database Systems**, Teaching Assistant and Lab Demonstrator, Computer Science Department, Shahid Beheshti University

## Publications

Morteza Milani, Mehdi Mirzaie, Changiz Eslahchi (2014), “Protein Function Prediction via Gaussian Graphlet Kernel”, *Under review*

I gathered data, developed software and wrote the paper draft.

Morteza Milani, Hadi Farahani (2014), “Programming in Prolog”, *Persian textbook for teaching Prolog at Shahid Beheshti University, Department of Computer Science*

I authored 4 chapters out of 5.

## Work Experience

July 2013 - Present **Software Development Manager at Pichak Co.**

Leading a team of five people to develop iOS apps resulted in two successful products. Recordium that could reach to the top chart in the Apple appstore and received much attention in the media. CooolKey that downloaded 2M times in the first two days and ranked 1 in the Apple appstore for a week.

Aug 2011 - July 2013 **Senior Web Developer, Dev Ops at Pichak Co.**

Worked as full stack web developer. I also managed linux servers, software repositories, and provided tools requested by other developers.

Jan 2011 - June 2011 **Web Developer at Nahayat**

Designed and developed a system for selling pavilions online, project from International Exhibition Venue of Tehran.

## Research Interests

- Application of machine learning in proteomics.
- Big data analytics and network data mining.
- Developing software tools for protein engineering.

## Technical Skills

**Programming:** Python, R, Julia, Bash, C++, Ruby, Nodejs, Prolog, Java

**Scientific Tools:** PyMol, iPython, BioPython, Caret Package, LibSVM

**Softwares & Systems:** Linux, Hadoop, Cassandra, MySQL, PostgreSQL, MongoDB

**References available upon request**