

Farzaneh Khoshnevisan

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EDUCATION

- **University of Tehran, Tehran, Iran**
 - B.Sc. Student of Information Technology Engineering [September 2010 – present]
 - Total GPA: **15.68 / 20**
 - Last Two Years GPA: **16.31 / 20**
- **Farzanegan High School (Iranian National Organization for Development of Exceptional Talents, NODET)**
 - High School Diploma in The Field of Mathematics and Physics [2006-2010]
 - GPA: **19.20 / 20**

RESEARCH INTERESTS

- Artificial Intelligence
- Machine Learning
- Data Mining

HONORS AND AWARDS

- Among top **5** students of **Information Technology** at ECE Department, University of Tehran.
- Ranked **781** among more than **300,000** participants in the Nationwide Universities Entrance Exam, *Konkour* [Summer 2010]
- Selected as **Exceptional Talent** (NODET) by National Organization for Educational Testing [Summer 2006]

WORK EXPERIENCE

- **Industrial Automation Software Developer**, design and development of the real-time order and monitoring applications for factories, *Belcker Company* [Summer 2014]
- **Web Developer**, design and development of the drag and drop website builder based on simple widgets, using PHP, *UT Summer of Code* [Summer 2013]

NOTABLE PROJECTS

- Research and Implementation of a **Credit Card Fraud Detection** system using Data Mining techniques, using Java-WEKA, Intelligent Systems [Spring 2014]
- Implementation of different **Machine Learning Paradigms** on several data sets, such as the decision tree, naïve Bayes, neural network, reinforcement learning, and unsupervised learning, using Python and MATLAB, Intelligent Systems [Spring 2014]
- Design and development of the **Online Auction Website**, using J2EE Web Application, Three-Layered Architecture, and MVC Pattern, System Analysis and Design [Spring 2013]
- Design and implementation of an advanced AI algorithm for **Hex Game**, using Python, Artificial Intelligence [Fall 2012]
- Design and Implementation of a **Guessing Game Agent** using CLIPS, Artificial Intelligence [Fall 2012]
- Client-server **multi-thread** matrix multiplier, CPU scheduler, and Shared memory management, using C, Operating Systems [Fall 2012]
- Pipeline implementation of a **MIPS-like processor**, using Verilog, Computer Architecture [Spring 2012]
- Development of an Offline **Search Engine**, capable of searching for queries in all text files exist in a directory, using Java and Java Swing, Data Structures and Algorithms [Fall 2011]
- Design and implementation of an **Advanced Calculator**, capable of parsing mathematical expressions, plotting curves and function, using C++, Advanced Programming [Spring 2011]

TEACHING EXPERIENCE

- **Teaching Assistant**, Introduction to Computing Systems and Programing [Fall 2012]
Prof. Hadi Moradi, and Prof. Mahmoud Reza Hashemi, School of ECE, University of Tehran
- **Teaching Assistant**, Artificial Intelligence [Spring 2013]
Prof. Hadi Moradi, School of ECE, University of Tehran

TECHNICAL SKILLS

- **Programming:**
 - Expert in C / C++ / Java / Python / MATLAB
 - Expert in Web Programming (PHP, CodeIgniter, HTML5, CSS3, JavaScript, JQuery, J2EE, JSP, JSTL, JAXB, Hibernate)
- **Data Bases:**
 - Expert in MySQL, PostgreSQL
- **Graphics:**
 - Almost Expert in Java Swing, Familiar with FLTK (C++)
- **Hardware Simulators:**
 - Expert in ModelSim (Verilog HDL) / Quartus II, Familiar with SimpleScalar
- **Operating Systems:**
 - Mac OS / Linux / MS Windows / OpenSuse

LANGUAGE SKILLS

- **Persian:** Native
- **Arabic:** Familiar
- **English:** Fluent
 - TOEFL iBT: 99 (Reading: 28, Listening: 21, Speaking: 23, Writing: 27)