

# Ruhollah Shemirani

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- RESEARCH INTERESTS
- ◇ Software Engineering
  - ◇ Cloud Computing and SaaS Solutions
  - ◇ Information Systems and Data Mining
  - ◇ Human Computer Interaction and User Interfaces
  - ◇ Internet and Web Technologies
- EDUCATION
- ◇ **Sharif University of Technology**, Tehran, Iran (2009 - 2013)  
B.S. in Computer Engineering, Information Technology GPA: 18.06/ 20.00. 3.92/4.00
  - ◇ **Related Courses:**
    - Systems Analysis and Design(19.8/20), Software Engineering(17.5/20), Application Engineering(17.3/20), Signals and Systems(20/20), Digital Signal Processing(18/20), Operating Systems(19.6/20), Computer Networks(20/20), Linear Algebra(16.6/20), Multimedia Systems(19.6/20), Designing Algorithms(20/20).
- HONORS AND AWARDS
- ◇ Admission to **Sharif University of Technology** (2009) Sharif University is the university of choice for the top ranking students attending the nationwide universities entrance exam (Konkour) which has more than 1 million participants each year.
  - ◇ Ranked **1<sup>st</sup>** among **Sharif IT Engineering Students**(class 2009)
  - ◇ Ranked **210<sup>th</sup>** in the nationwide university entrance exam(Konkour) which has more than 1 million participants each year.
  - ◇ Elected as Director of Computer Engineering Department **Student Scientific Chapter (SSC)**(2012). SSC is the student committee concerned with directing the department's extra-curriculum activities.
  - ◇ Ranked **7<sup>th</sup>** in the nationwide entrance exam for Master's degree in Information Technology (2013) (Taken a Year in Advance).
- TEST SCORES
- ◇ **TOEFL iBT Exam:** 102/120 (Reading:28, Listening: 29, Speaking: 22, Writing: 23)
- TEACHING EXPERIENCE
- ◇ **Teaching Assistant** for Following Courses in Sharif University:
  - ◇ **Web Programming Course** (Fall 2013) for Prof. Zarrabi-Zadeh.
  - ◇ **Systems Analysis and Design course** (Spring 2013) for Prof. Heydarnouri.
  - ◇ **Computer Networks course** (Spring 2013, Fall 2013) for Prof. Kharrazi.
  - ◇ **Operating Systems course** (Spring 2013) for Prof. Beygi.
  - ◇ **Signals and Systems course** (Fall 2012) for Prof. Hamidreza Rabiee, (Fall 2012)For Prof. Manzouri, (Spring 2013) for Dr. Soltani.
  - ◇ **Data Structures course** (Spring 2013) for Prof. Aabaam.
  - ◇ **Computer Architecture course** (Spring 2012) for Prof. Hosein Asadi,(Fall 2012) Prof. Maziar Goudarzi.
- SKILLS
- ◇ Programming: C, C#, C++, Python, Java, Shell, MATLAB, Assembly, Verilog HDL.
  - ◇ Tools: Android Studio, Eclipse, Eclipse ADT(Android Development Kit), Aptana, PyCharm(for Python-Django), ModelSim, Xilinx ISE, Altera Quartus, Proteus.

- ◇ Web: HTML, JavaScript, CSS, Django, PHP, MySQL, Ruby On Rails, Node.js.
- ◇ Version Control: SVN,GIT.
- ◇ Network: Omnet++, Cisco Packet Tracer, Cisco iOS, WireShark.
- ◇ OS: Windows, Linux(Ubuntu).
- ◇ Languages: Persian (Native), English (Semi-Native).

WORK  
EXPERIENCE

- ◇ **Mobile Software Designer and Developer** in the **Beep Company**, a Major VAS provider in Iran. Apart from developing mobile apps, I am helping the company to establish a research and development division named XeeLabs.
- ◇ **Web Developer** in the **Meraat Organization, Innovation for Learning and Education**(2012).
- ◇ **R&D Staff** in the **Meraat Organization**(2012).
- ◇ **Web Developer** at **Arsh Software Designing Firm**(2011).

PROJECTS

- ◇ **Thesis Project:** Designing and Implementing **Sharif University of Technology Computer Engineering Department Main Portal**.(In Progress)
- ◇ **Analysing, Designing & Implementation of Personal Tracking System:** A SAMT Lab project purchased by a Bank to track their visitor staff in the country.
- ◇ Designing and Developing **Ahangbaz Mobile Application** , a mobile memory testing game, based on music lyrics. It will be on the Iranian Android App Store very soon.
- ◇ **Analysing,Designing & Implementing Conference Management System:** System Analysis and Design course project, written in Python using Django Framework.
- ◇ **Developing Main Site for Meraat Organization** : Work Project. This website manages all the business functions of the organization, involving the educational programs and solutions offered to schools in Iran, in order to bring new technologies to schools to make them more efficient.
- ◇ **Designing and Implementation of a Floating Point Co-Processor Unit:** Computer Architecture Course Project. Designed by Quartus, Implemented IEEE-754 Standard.
- ◇ **Implementation and Synthesis of a Tetris Game:** Digital Systems Design course project. Written in Verilog HDL Using Quartus and Synthesized on Altera DE2 FPGA board.

RESEARCH  
EXPERIENCE  
ACTIVITIES

- ◇ **Member** of the **SAMT Laboratory**(Services And Applications of Mobile Technology)
- ◇ **Elected Member** of the Computer Engineering Dept. **Student Scientific Chapter (SSC)** for three years(2011,2012,2013), SSC is the student committee concerned with directing the department extra-curriculum activities.
- ◇ **Elected Member & President** of the Computer Engineering Dept. **Student Scientific Chapter (SSC)** (2012)
- ◇ **Chief Technical Staff** 11,12,13th ACM/ICPC Asia Region (2010-2013) I directed and managed a team to assemble, setup, and manage over 100 PC workstations and their network for the contest, many from individual components, on a very short timeframe (5 days). It proved to be a strong technical and management challenge requiring 24x7 attention and devotion.
- ◇ **Staff-** Java Challenge(2011,2012). Competition for writing AI code in Java programming language to pass the game field and overcome other AIs.
- ◇ **Judge**
  - Samsung Smart TV application contest-Sharif University of Tech(2013)
  - Iran Mobile Congress Application Contest-Tehran(2013). We selected the best mobile applications written for Android,IOS and Java.
  - iPlus Festival(2013). iPlus Festival is a competition among the ideas. The best idea was selected and given the grant and guidance to be implemented and developed to a business production.