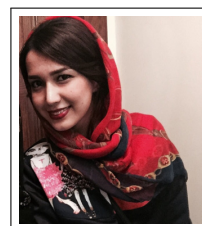# Elahe Jalalpour

Curriculum Vitae

Apt no.5, number 1, Yasaman 1
Tehran, Tehran
✆ (+98) 912 239-9094
✉ el.jalalpour@gmail.com
⌨ ceit.aut.ac.ir/∼jalalpour

Research Interests

- ○ Computer Networks
- ○ Software Defined Networking
- ○ Internet of Things
- ○ Computer and System Architectures
- ○ FPGA

Education

2012–2016 **B.Sc. Computer Engineering**, *Amirkabir University of Technology*, Tehran.
GPA – 17.31 out of 20

2008–2012 **High School, Diploma of Math & physics**, *Manzoumeh Kherad Institute*, Tehran.
GPA – 19.80 out of 20

Patents

Title *Intelligent Control System of Steering Wheel*
Issued 03 / 2011
IR Patent 69363

Experience

2015 **Teacher Assistant**, COMPUTER ARCHITECTURE, Amirkabir University of technology.

Awards

2012 Ranked in top 1.6% of Nation-wide University Entrance Exam among all Iranian Students of Math. & Physics

2012 Ranked in top 0.1% of Nation-wide University Entrance Exam among all Iranian Students of Foreign Languages (English)

2013–2015 Ranked in top 4 Computer Hardware Engineering Students

2014 Eligible to choose **second major** due to outstanding performance

2011 **1st** Place in Iran Open Robocup Competition Demo League as a Member of *Kherad* team

2009   Earned **Merit Medal** in International World Youth Mathematics Competition (IWYMIC) Durban, South Africa

2010 & 2011   Semi-finalist at National Mathematics Olympiad

Computer skills

- **Programing & Hardware Design Languages**.
  Java (Proficient), C/C++, Python (familiar), Verilog, VHDL, 8086 Assembly

- **Typesetting**.
  LaTeX, Microsoft Word, LibreOffice, Pages, Vim

- **Hardware Simulators**.
  Xilinx ISE Design Suite, P-Spice, H-Spice, Proteus

- **Web Development**.
  HTML

- **Other**.
  Netbeans, Eclipse, Wireshark

- **Operating Systems**.
  Windows, OS X, Ubuntu, Fedora

Publications

2015   **E.Jalalpour**, *Consistent Update in SDN*, Tehran.
technical report for Research Method and Technical Report Writings course (In Persian)

2015   **E.Jalalpour**, *Real Time Cache Performance Analyzing for Multi-core Parallel Programs*, Tehran.
project report for Computer Architecture course (In Persian)

Research Experiences

2015   **Consistent update in SDN**, Tehran.
This research was done for Research Method and Technical Report Writings course (Technical Report and Poster)

Languages

Persian (Farsi)   **Mothertongue**

English   **Professional working proficiency**

French   **Elementary proficiency**

Projects

2012   **Phone Book**, C.
Implementation of Phone Book with file

2014   **HTTP Proxy**, Java.
Implementation of a HTTP and HTTPS proxy server

2013   **JUMONG (Java Ultimate Maze Obstacle Neutralizer Game)**, Java.
Implementation of a graphical game with multiplayer support

2014   **FAT Parser**, C.
Implementing FAT-16 and FAT-32 parser with delete, list and retrieve support

2014   **Disassembling DOS Executable File**.

2015   **FPGA Co-Design**, C & VHDL.
Implementing hardware modules in VHDL and using them for having a cryptographic algorithm in a software environment

2015   **Transistor Level Ripple Adder**, HSPICE.
Designing and implementing transistor level ripple adder in three families: Static CMOS, Dynamic CMOS and DCVSL

2013   **Simon Game**, *Proteus*.
Design and implementation of Simon game's logic circuit

References

Professor Bahador Bakhshi, *Assistant Professor*.
Computer Engineering and IT Department, Amirkabir University of Technology
Email: bbakhshi@aut.ac.ir

Professor Hamid Reza Zarandi, *Assistant Professor*.
Computer Engineering and IT Department, Amirkabir University of Technology
Email: h_zarandi@aut.ac.ir

Last update: August 26, 2015