# Ashkan Yousefpour

—— Unit 5, Apartment No. 15, Yasaman Al., Southern Falamak St., Shahrak Qarb, Tehran, Iran. ——
Cell Phone: +98-9127909901 • E-mail: a.yousefpour@ieee.org • Homepage: http://ceit.aut.ac.ir/∼yousefpour

Last update: December 23, 2013

| | |
|---|---|
| **OBJECTIVE** | Enthusiastic to continue my education toward the highest levels in science and expand my knowledge about Computer Science and world problems as a researcher and improve my intellectual abilities so as to satisfy my desire toward learning |

**RESEARCH INTERESTS**

◇ Wireless Networks      ◇ Mobile Computing
◇ Mobile Ad-Hoc Networks      ◇ Internet Transport Protocols
◇ Network Modeling      ◇ Performance Evaluation

**EDUCATION**

◇ **Amirkabir University of Technology**, Tehran, Iran
B.Sc. in Computer Engineering, August, 2013.                    **[cum laude]**
• **GPA: 17.56/20**, Last 4 semester's GPA: 18.60/20
Thesis: *Design and implementation of a gateway to reach the IPv6 Internet by tunneling over existing IPv4 connections*,                    Advisor: S. Khorsandi
Available implementation: ***Gateway6***

**HONORS AND AWARDS**

◇ Awarded **the Best Computer Engineering B.S. Thesis Award** by the **president** of Amirkabir University of Technology in the 2013 Research Week Ceremony, Winter 2013

◇ Awarded as **Excellent Volunteer** and received a certificate by the chair of IEEE Iran Section, for the *tremendous technical contributions* to **IEEE Iran Section**, Winter 2013.

◇ Graduated **Cum Laude**, Honors in Computer Hardware Engineering, Amirkabir University of Technology, Fall 2013.

◇ Awarded honorary **admission** to the graduate program (**M.S.**) at the Computer Engineering and Information Technology department, **Amirkabir University of Technology**, without taking the "*National Entrance Examination for Graduate Schools*", as a reward for having high academic records and achievements, Fall 2012.

◇ Awarded as **Outstanding Student** by the head of Computer Engineering and Information Technology department, Amirkabir University of Technology, Spring 2012.

◇ Awarded as **Active Member** of Scientific Student Council by the head of Scientific Councils and Olympiad Affairs, Amirkabir University of Technology, Fall 2011.

◇ Awarded as **Outstanding Student** by the head of Computer Engineering and Information Technology department, Amirkabir University of Technology, Spring 2010.

◇ Selected as **Elite Student** by the National Organization for Educational Testing (NOET) as a reward for being among outstanding students who had taken the "*National University Entrance Examination*", Fall 2009.

◇ **Ranked top 0.5%** in the *"National University Entrance Examination"* among all students in Mathematics and Physics Discipline (among 300,000 participants), Summer 2009.

◇ **Ranked top 0.8%** in the *"National University Entrance Examination"* among all students in Foreign Languages Discipline (English) (among 100,000 participants), Summer 2009.

◇ Awarded as **Top Student** in Dr. Hesabi High School, Summer 2009.

TEACHING
EXPERIENCE

**Amirkabir University of Technology**, Tehran, Iran

◇ *Instructor*                                                                                          Fall 2013
**Computer Networks Laboratory**

◇ *Instructor*                                                                                          Fall 2013
**Computer Networks for Olympiad**
Responsibilities included giving lectures for students preparing for Student Scientific Olympiad.

◇ *Teaching Assistant*
- **Computer Networks 1**, B. Sadeghian                        Fall 2012, Spring 2013, Fall 2013
  Responsibilities included giving lectures, assigning project and homework, and grading.
- **Signals and Systems**, M. Rahmati                                                  Spring 2013
  Responsibilities included giving lectures, assigning homework, and grading.
- **Internet Engineering**, B. Bakhshi                                                  Fall 2012
  Responsibilities included assigning homework and project, and grading.
- **Microprocessors**, M. M. Homayounpour                                             Fall 2012
  Responsibilities included giving lectures, assigning homework, and grading.
- **Advanced Computer Programming**, S. M. Noorhosseini                        Spring 2011
  Responsibilities included assigning homework and project, and grading.

**Dr. Hesabi High School**, Tehran, Iran

◇ *Instructor*                                                                                          Fall 2010
**Discrete Mathematics** (Pre-university)
Responsibilities included giving lectures and solving problems.

RESEARCH
EXPERIENCE

**Routing Protocols in Wireless and Mobile Ad-hoc Networks**, Spring 2013
- AODV, DSR and DSDV

**IPv6 Transition Mechanisms**, Fall 2012
- Co-existence, Tunneling, Address Translation and Proxy mechanisms

**Web Page Ranking algorithms for Search Engines**, Spring 2012
- HITS, PageRank and SALSA algorithms

WORK
EXPERIENCE

**IEEE Iran Section Web Designer**                                    November, 2012 - Present
Responsible for designing and developing web pages for IEEE Iran Section

**Freelance Web Developer & Designer**                              February, 2008 - Present
Designing dynamic & static websites. Personal websites:
- *www.irdraw.us* (English)                 *www.irdraw.com* (Persian)

**IEEE Student Branch of Amirkabir**                    January, 2012 - February, 2014
**University of Technology Web Designer**

**Member of Scientific Student Council**                            May, 2010  June, 2011
Responsible for holding programs:
- $5^{th}$ *National and* $2^{nd}$ *International conference on E-learning & E-Teaching (ICeLeT2010)*, Executive committee
- $2^{nd}$ *National AUT Linux Festival and Workshop*, Executive committee

PRESENTATIONS

◇ **Networking in Linux**, Discussed Networking topics in Linux and configuring an Ad-hoc and a wired network using Linux; **How to become a Web Server Professional**, Definitions and Concepts of

a Web Server, Configuring and launching a Web Server (PHP, Apache, MySql, ...); $5^{th}$ **Amirkabir National Linux Festival**, Amirkabir University of Technology, Spring 2013.

◇ **VPN Tunneling Protocols: PPTP, L2TP, L2TP/IPSec**, Discussed VPN basics and the tunneling protocols including PPTP, L2TP and L2TP/IPSec; their application and comparing these protocols to each other; Department of Computer Engineering and Information Technology, Amirkabir University of Technology, Fall 2012.

◇ **Rank web pages in search engines using HITS algorithm**, Discussed HITS Ranking algorithm, Web Page Graph and Search Engine Optimization (SEO) concepts including: Ranker, Spider, Crawler, Indexer, Sitemap, Robots, and keywords; Department of Computer Engineering and Information Technology, Amirkabir University of Technology, Spring 2012.

◇ **XML Databases and introducing their languages, XQuery, XSLT, and XPath**, Discussed XML Language, XML data structure and data storing, and relevant languages including: XQuery, XSLT, DTD and XPath; Department of Computer Engineering and Information Technology, Amirkabir University of Technology, Spring 2012.

SKILLS

**Human Languages**: Proficient in Persian (Native) and English; Familiar with Arabic.

**Programing Languages**: C, C++, Java, Verilog, VHDL, Assembly (MIPS & 8086)

**Operating Systems**: Mac OS X, Linux, Windows

**Networking Tools**: GNS3, Packet Tracer, WireShark, Scapy, tcpdump, Successfully completed Cisco Certified Network Associate (CCNA) & Cisco Certified Network Professional (CCNP) Switching courses

**Web Development**: HTML, CSS, JavaScript, AJAX, PHP, MySQL, jQuery, XML, HTML5

**Typesetting**: LaTeX, iWork Pages, Microsoft Word, Bean

**Engineering Tools**: MATLAB, ModelSim, Proteus, Protel PCB Layout, Altium Designer, CodeVision AVR, Xilinx ISE, Cadence, pSpice, HSpice

**Miscellaneous**: NetBeans, Adobe Photoshop (Expert), Adobe Illustrator

ACTIVITIES AND HOBBIES

Swimming (Winner of a gold medal in 50m Butterfly swimming, Amirkabir University of Technology, Fall 2011)
Physical exercise (Member of the University Physical Fitness team, Spring 2010)
Reading books
Web designing
Graphic designing

MORE INFORMATION

Detailed information about **course projects** I've done, **notable courses and high grades** I've acquired and other useful information is available on **my personal homepage**.

REFERENCES

Official certificates, documents and other references are available upon request.