

Amin Fallahi

PERSONAL DATA

BIRTH DATE: October 27, 1991
PLACE OF BIRTH: Tehran, Iran
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RESEARCH INTERESTS

- Cloud Computing and Virtualization
- Fog Computing and Internet of Things
- Distributed and Operating Systems

EDUCATION

SEPTEMBER 2015 Bachelor of Science in COMPUTER SOFTWARE ENGINEERING, **Iran University of Science and Technology**, Tehran
142/142 | Major: Distributed Systems
Thesis: "Design and Implementation of a Mechanism for Reducing I/O Delays in Xen Virtual Machine Monitor" | Supervisor: Prof. Mohsen SHARIFI
GPA, Last 2 Years or Last 60 Credits: 3.1/4, Overall: 2.6/4

JUNE 2009 High School Diploma in MATHEMATICS
Allameh Helli High School, National Organization for Development of Exceptional Talents, Tehran
GPA: 4/4

WORK AND TEACHING EXPERIENCE

OCT 2013-PRESENT | *Web Developer* at PISHGAMAN ATIEH ELITE CO., Tehran
Developed and managed several projects, mostly in the areas of web and mobile.

SEP 2011-JAN 2012 | *Teaching Assistant* at IRAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, Tehran
Taught several subjects in *Fundamentals of Programming* course instructed by *Dr. Adel Torkaman Rahmani*, including Linux, HTML, PHP, MySQL and other web programming techniques and languages.

SEP 2014-SEP 2015 | *Computer Teacher* at ALLAMEH HELLI 1 HIGH SCHOOL, Tehran
Taught computer networks and web programming languages and tools including HTML, CSS, JavaScript, PHP and MySQL.

SEP 2013-MAY 2014 | *Computer Researches Teacher* at ALLAMEH HELLI 4 HIGH SCHOOL, Tehran
Managed students to develop their projects in their interested areas in programming, either web, desktop or networks. Also led student groups to learn group work and develop projects in teams via software engineering techniques.

SEP 2012-MAY 2013 | *Computer Teacher* at ALLAMEH HELLI 2 JUNIOR SCHOOL, Tehran
Taught juniors the basics of programming, including flowcharts and programming with Pascal.

2008-PRESENT | *IT Consultant* at IRANIAN NURSING ASSOCIATION, Tehran
Built, hosted and supported several web sites including news services and scientific journal sites.

HONORS AND CERTIFICATES

- SEPT. 2011 *LPIC1* - Linux Server Professional Certification from LINUX PROFESSIONAL INSTITUTE for mastering Linux skills and knowledge, valid until late 2016, LPI000238725, Vrfication Code: 6l8xgseb69, [Verify](#)
- AUG. 2010 Ranked among top 1% in *National University Entrance Exam for Undergraduate Studies* among 350000 participants. Granted admission to *Iran University of Science and Technology*.
- AUG. 2006 Ranked among top 200 in total 25000 students in *National Organization for Development of Exceptional Talents High Schools Entrance Exam*. Awarded admission to *Allameh Helli High School*, the most honored school in the middle east.
- AUG. 2003 Ranked among top 200 in total 19000 students in *National Organization for Development of Exceptional Talents Middle Schools Entrance Exam*. Awarded admission to *Allameh Helli 2 Junior School*.

LANGUAGES AND STANDARDIZED EXAMS

- PERSIAN: Native
- ENGLISH: Fluent
 - *TOEFL iBT*: Dec 11, 2015, 106/120 (Reading: 26, Listening: 27, Speaking: 24, Writing: 29)
 - *GRE General*: Dec 28, 2015
 - * Quantitative Reasoning: 163/170 (% Below: 86)
 - * Verbal Reasoning: 146/170 (% Below: 29)
 - * Analytical Writing: 3.0 (% Below: 15)

TECHNICAL SKILLS

- Programming:
 - Advanced Knowledge: *C/C++, Qt Framework, Python, PHP, HTML, SQL/MySQL, BASH, Pascal*
 - Intermediate Knowledge: *JAVA, Android SDK, JavaScript, CSS, jQuery*
 - Basic Knowledge: *Assembly, MATLAB, Node.js, Lua*
- GNU/Linux Distributions:
 - *Debian, Ubuntu, CentOS, Fedora, Redhat Enterprise, Android*
- Virtualization & Cloud Technologies: *QEMU, Xen, VirtualBox*
- Distributed and NoSQL Data Stores: *H-Base, Riak, Redis*
- Highly skilled in Object Oriented Programming.

- Worked with several website development tools and web services, including programming, scripting and design languages, frameworks like *PHP CodeIgniter*, and content management systems like *Wordpress* and *Drupal*.
- Familiar with various graphic and editing tools (*Photoshop*, etc), office (*Word*, *Power Point*, *Excel*) and publishing tools (*LaTeX*, *Endnote*).
- More than ten years of experience in computer programming.

SELECTED PROJECTS

- Bubble Soccer (Goal Koochik): An online soccer game for Android platform. [PAECO, 2015] [↗](#)
- Linux Press: A popular Linux news website which collects highlights from major Linux sites. [↗](#)
- Nursing Journals' Index (Nindex): A journal index web site developed for Iranian Nursing Association. [INA, 2014] [↗](#)
- Nimkat: An online food reservation system developed for Allameh Tabatabaei Schools. [PAECO, 2014] [↗](#)
- Parseh Registration System: A web site to help PhD students find if they can be accepted in their favorite university based on their rank. Developed for Parseh institute, the greatest institute in preparing and teaching graduate students for university entrance exams in Iran. [PAECO, 2013] [↗](#)
- Pardis-e Danesh: A web application for school management, performing all the school scores, reports, etc in a web based system. Currently used in lots of schools, including Allameh Helli schools in Iran. [PAECO, 2014]
- Chalesh: An online judge system for helping school students learn programming and compete with their matching people. [PAECO, 2014] [↗](#)
- Maze Man: An online experimental HTML5 multiplayer puzzle game. [IUST, 2015]
- Esm-Famil: A traditional persian game developed for Android. [IUST, 2014]
- Movie Lister: A data fetcher and organizer using IMDb for building movie lists for shops. [2007]

REFERENCES

- **Dr. Mohsen Sharifi**
Professor - Department of Computer Engineering, IRAN UNIVERSITY OF SCIENCE AND TECHNOLOGY
msharifi@iust.ac.ir
- **Dr. Mahmood Fathy**
Professor - Department of Computer Engineering, IRAN UNIVERSITY OF SCIENCE AND TECHNOLOGY
mahfathy@iust.ac.ir
- **Dr. Behrouz Minaei**
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