

ParhamAlvani

Senior Undergraduate Student of Software Engineering

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languages

Persian mother tongue

programming

♥ C, Go
Python3, AMD64
Assembly, AVR Assembly
Java SE, Java EE
CSS3 & HTML5

last-update

January 29, 2016

education

2013–2017 **Bachelor** of Computer Software Engineering Amirkabir University of Technology
Current GPA: 19.18/20 (87 Unit)
2009–2013 **High School**, Diploma of Math & physics Energy Atomic High School
GPA: 19.45/20

honors & awards

2015 Eligible to choose **second major** due to outstanding performance
2013 Ranked in top 0.6% of Nation-wide University Entrance Exam among all Iranian Students of Math. & Physics
2010~2012 **Semi-finalist** at National Mathematics and Computer Olympiads
Spring 2015 Awarded as an Outstanding Student by the head of Computer Engineering and Information Technology department, AmirKabir University of Technology
2010 Earned **Merit Medal** in International Mathematics Competition (IMC) Icheon, South Korea

skills & expertise

- **Unfamiliar Programming Languages**
SML, Lisp, Haskell
- **Hardware Design Languages**
Verilog HDL, VHDL, Spice
- **Networking Tools and Protocols**
ONOS Platform, FloodLight, Ryu, Mininet, GNS3, Wireshark, Cisco Packet Tracer, OpenFlow1.3
- **Typesetting**
L^AT_EX, Microsoft Word, LibreOffice, Pages, Vim
- **Hardware Simulators**
Xilinx Vivado Design Suite, P-Spice, H-Spice, Proteus, Quartus II
- **DB Management Systems**
MySQL, PostgreSQL, MongoDB
- **Operating Systems**
Ubuntu, Ubuntu Server, CentOS, OS X, Windows, Windows Server 2012
- **Other**
Netbeans, IntelliJ, Eclipse, Octave, Mathlab
- **Programming Framework**
 - C Frameworks**
 - CGI Programming
 - BSD Socket Programming
 - UNIX System Programming
 - GTK
 - Gnome
 - Java Frameworks**
 - Maven
 - Log4j
 - JPA(Java Persistence API)
 - Hibernate
 - JSP
 - JSF

teaching experiences

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|-------------|--|-------------------|
| Fall 2014 | Introduction to Programming Amirkabir University of technology, Under Supervision of Prof.Bakhshi. | Teacher Assistant |
| Spring 2015 | Advance Programming Amirkabir University of technology, Under Supervision of Prof.Noorhosseini. | Teacher Assistant |
| Spring 2015 | Discrete Mathematics Amirkabir University of technology, Under Supervision of Prof.Fallah. | Teacher Assistant |
| Spring 2015 | Introduction to Python Programming 7th Amirkabir Linux Festival, Python Workshop | Instructor |
| Fall 2015 | Introduction to Programming Amirkabir University of technology, Under Supervision of Prof.Bakhshi. | Teacher Assistant |
| Spring 2016 | Advance Programming Amirkabir University of technology, Under Supervision of Prof.Noorhosseini. | Teacher Assistant |
| Spring 2016 | Principles of Database Design Amirkabir University of technology, Under Supervision of Prof.Momtazi. | Teacher Assistant |
| Spring 2016 | Microprocessor I Amirkabir University of technology, Under Supervision of Prof.Homayounpour. | Teacher Assistant |
| Spring 2016 | Engineering Statistics and Probability Amirkabir University of technology, Under Supervision of Prof.Amir Haeri. | Teacher Assistant |

Graduate Courses

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| Fall 2015 | Advance Computer Networks | Professor Siavash Khorsandi |
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Certifications

- CompTIA Network+
- Supporting Windows 8.1(70-688)
- Installing and Configuring Windows Server 2012(70-410)
- Administering Windows Server 2012(70-411)
- Configuring Advanced Windows Server 2012 Services(70-412)
- Designing and Implementing a Server Infrastructure(70-413)
- Implementing an Advanced Server Infrastructure(70-414)
- LPIC-1(101-102)
- LPIC-2(201-202)
- Cisco CCENT

interests

professional:

- Internet of Things (IoT)
- Software Defined Networking (SDN)
- Network Function Virtualization (NFV)
- Kernel Hacking
- Graph Theory

- Mathematical Analysis

personal:

- Chess
- Running