

# CV for Amir Masoud Noohi

Network Expert, Full-Stack Developer, Cloud, Security, SDN

Contact

E-mail : [highlimner@gmail.com](mailto:highlimner@gmail.com)

Phone : +98 916 229 2949

Website : <https://noohi.org>

## Education

Master of Science in Computer Engineering(software), Isfahan, Iran

Isfahan University of Technology

Sep. 2019 – Present

GPA (up to now):  $\frac{4}{4}$

Supervisor: Dr. Massoud Reza hashemi

Bachelor of Science in Computer Engineering(IT), Isfahan, Iran

Isfahan University of Technology

Sep. 2015 – Jul. 2019

GPA: Cumulative :  $\frac{3.6}{4}$  | Last year GPA :  $\frac{4}{4}$

Supervisor: Dr. Elham Mahmoud Zadeh

\* Isfahan University of Technology is #4 University in Iran and #595 in the World ([Link](#))

## Honors and Awards

- ❖ Ranked 1<sup>st</sup> among all computer students in MSc
- ❖ Ranked 2<sup>nd</sup> with in electrical and computer engineering department in MSc
- ❖ Top Student university scholarship in MSc
- ❖ Directly admitted to MSc as outstanding BSc student
- ❖ Membership in Brilliant Talents Foundation and Exceptional Students
- ❖ Ranked 3<sup>rd</sup> among all graduated IT students in BSc
- ❖ Ranked 16<sup>th</sup> in Iranian university entrance exam in IT for MSc
- ❖ Ranked 61<sup>th</sup> in Iranian university entrance exam in Software Engineering for MSc
- ❖ Ranked 51<sup>th</sup> in Iranian university entrance exam in Artificial Intelligence for MSc
- ❖ Ranked 37<sup>th</sup> in Iranian university entrance exam in Hardware Engineering for MSc
- ❖ Best Teaching Assistant Award
- ❖ Top 1% in Iranian university entrance exam for MSc in Computer Science
- ❖ Ranked 7<sup>th</sup> and 5<sup>th</sup> in Physics and Math Olympiad's in two years in a row

## Research Interests

- ❖ Computer Networks
- ❖ Software Defined Network
- ❖ Cloud Computing and Monitoring
- ❖ Virtualization
- ❖ Security
- ❖ System and Server Administration

Languages

Persian : Native

English : Professional Working Proficiency

Turkish : Memorized Proficiency

# Publication

- ❖ A. Khater, **A. M. Noohi**, M. R. Hashemi, "Dynamic Surveillance Service in Smart Home using NFV Concepts in Fog Computing", 2020, **[Under Review][Full Paper]**
- ❖ A. Khater, **A. M. Noohi**, M. R. Hashemi, "High-Performance Programmable SDN Networks Architecture", 2020, **[Under Prep.][Full Paper]**
- ❖ **A. M. Noohi**, M. R. Hashemi, "NSwitch – High-performance programmable protocol independent switch", 2020, **[Under Prep.][Full Paper]**
- ❖ **A. M. Noohi**, Zeinab Zali, "VMware-based cloud infrastructure deployment guide", 2020, **[Published][Booklet]**
- ❖ **A. M. Noohi**, "C/C++ advanced programming", 2019, **[Published][Agenda]**
- ❖ **A. M. Noohi**, "Python Programming", 2018, **[Published][Agenda]**

# Teaching Experiences

- ❖ Head of Teaching Assistants in for **2 years** in **4 courses** in Computer Networks  
▪ Instructors : M.H. Manshaei and M.R. Heidarpour Feb. 2018 – Jul. 2020
- ❖ Head of Teaching Assistants in Advanced programming for **4 years** in **8 courses**  
▪ Instructors : Maryam Mouzarani, Zeinab Zali, Mansoureh Ejei Sep. 2016 – Jan. 2020
- ❖ Head of Teaching Assistants in Fundamental Programming for **3 years** in **4 courses**  
▪ Instructors : Elham Mahmoudzadeh, Samaneh Hosseini Sep. 2017 – Jan. 2020
- ❖ Teaching Assistant in Computer Security  
▪ Instructor : Maryam Mouzarani Feb. 2019 – Jul. 2019
- ❖ Teaching Assistant in Basic Programming for **2 years** in **4 courses**  
▪ Instructor : Elham Mahmoudzadeh, M.M. Naghsh, Ali Sharifipour Sep. 2017 – Jul. 2019

\* I've been a teaching assistant for a total of **21 times** in BSc and MSc all at IUT

# Programming Language Skills

- ❖ Expert : Python, PHP, C/C++, SQL, HTML5, CSS3
- ❖ Good : JAVA, Bash Script/Shell Script, JavaScript
- ❖ Familiar : C#, ASP.NET, Node

# Technical Skills

- ❖ **Virtualization and Cloud :** Openstack, Vmware Vsphere, KVM, Hyper-V, Docker, Xen, SoulosVM, Nebula, Vcenter, VoneCloud, Vrtualizor, Hadoop, Spark
- ❖ **Webhosting Control Panel :** Cpanel, Directadmin, Plesk, Webmin, Kloxo, Virtualmin, Centos web panel
- ❖ **Network Tools :** NS2, GNS3, Mininet, Packet Tracer, Wireshark, VMware Workstation, VirtualBox, Metasploit
- ❖ **Operating Systems :** Centos, Cloud Linux, Ubuntu, Windows, Debian, ESXI, Mikrotik, Cisco IOS
- ❖ **CMSs:** WordPress, Joomla, Vbulletin, Xenforo, Drupal, Magento, PrestaShop
- ❖ **Web Frameworks:** Laravel, Django, Bootstrap, Symfony, Yii, React, Angularjs, Vuejs, Asp.NET
- ❖ **Databases:** MySql, Sql Server, Oracle, PostgreSQL, MariaDB, SQLite, MongoDB
- ❖ **IDEs:** JetBrains IDEs (PHPStorm, WebStorm, Pycharm, Clion, Data Grip, IntelliJ), Visual Studio, Visual Code, Netbeans, Spider, ...

# Work Experiences

- ❖ **Founder, [HIGHHOST](#), Isfahan, Iran** *Aug. 2011 – Sep. 2019*
  - Web hosting company that works on cloud servers
  - CEO and Director from 2011 to 2019
- ❖ **Project Technical Manager, [IAI Core Center](#), Isfahan, Iran** *Feb. 2020 – Jul. 2020*
  - I've worked as team manager in Iran Zamin Clinic's Project
  - **Subject :** Intelligent patient communication system
- ❖ **Backend and Technical Moderator, [JINARO](#), Isfahan, Iran** *Apr. 2018 – Present*
  - Also as member in board
  - **Subject :** Place reservation and coach and gym management system
- ❖ **Deploy Private Cloud, [IUT ECE Department](#), Isfahan, Iran** *Dec. 2019 – Feb. 2020*
- ❖ **Software Developer, [IUT ECE Department](#), Isfahan, Iran** *Apr. 2018 – Jul. 2019*
  - I've worked here as an internship student
- ❖ **Penetration Tester, [IUT IT Center](#), Isfahan, Iran** *Apr. 2020 – Jul. 2020*
  - **Subject :** OWASP Analysis on golestan student manager website
- ❖ **Technical Moderator, [Mihandownload](#),** *Aug. 2012 – Aug. 2014*
  - **Subject :** Website Moderator
- ❖ **Technical Moderator, [Softgozar](#),** *May. 2011 – May. 2012*
  - **Subject :** Website Moderator

# Selective Academic Projects (for more click [here](#))

- ❖ **Packenger, Packet Generator and management**
  - To create, send and receive packets on all type of interfaces
  - **Reference:** [Link](#)
- ❖ **Software Switch using Packenger**
  - To provide complete software switch on all operating systems
  - **Reference:** [Link](#)
- ❖ **Virtual Private Network Using Cisco**
  - To provide VPN on all platforms
  - **Reference:** [Link](#)
- ❖ **Social Media Messenger**
  - To provide chat system like Telegram
  - **Reference:** [Link](#)

## References

### Dr. Massoud Reza Hashemi

*Associate Professor, Isfahan University of Technology*

*PhD, University of Toronto*

**Email :** hashemim@cc.iut.ac.ir

### Dr. Mohammad Hossein Manshaei

*Associate Professor, Isfahan University of Technology*

*PhD, University of INRIA*

**Email :** manshaei@cc.iut.ac.ir

### Dr. Mohammad Reza Heidarpour

*Assistant Professor, Isfahan University of Technology*

*PhD, University of Waterloo*

**Email :** mrheidar@cc.iut.ac.ir