CV for Amir Masoud **Noohi**

Network Expert, Full-Stack Developer, DevOps Engineer

Contact

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Education

Docrot of Philosophy in Computer Science, Edinburgh, United Kingdom

❑ *University of Edinburgh*

❑ *Supervisor: Dr. Antonio Barbalace & Dr. Boris Grot*

Jan. 2023 − Present

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

❑ *Isfahan University of Technology*

❑ *GPA (up to now):* $^4/_4$ *(19.01/20) – Ranked 1st*

❑ *Supervisor: Dr. Massoud Reza hashemi*

Sep. 2019 − Aug. 2021

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

❑ *Isfahan University of Technology*

❑ *GPA: Last year GPA:* $^4/_4$ *(18.65/20)*

❑ *Supervisor: Dr. Elham Mahmoud Zadeh*

Sep. 2015 − Jul. 2019

Honors and Awards

❖ *Ph.D. Scholarship Award from Huawei Technology in UK*

❖ *Ranked 1st among all computer students in M.Sc.*

❖ *Directly admitted to M.Sc. as an outstanding B.Sc. student*

❖ *Membership in* **Brilliant Talents Foundation and Exceptional Students**

❖ *Ranked 3rd among all graduated IT students in B.Sc.*

Research Interests

❖ *Computer Networks*

❖ *Cloud Computing*

❖ *Virtualization*

❖ *Operating Systems*

Programming Language Skills

❖ **Expert:** Python, PHP, C/C++, SQL, HTML5, CSS3

❖ **Good:** JAVA, Bash Script/Shell Script, JavaScript

❖ **Familiar:** C#, ASP.NET, Node

Publications

- ❖ A. Khater, **A. M. Noohi**, M. R. Hashemi, "Autonomous Protocol-Oblivious Switching for SDN networks using NFV Concept", 2022, ***[Under Review][Full Paper]***
- ❖ **A. M. Noohi**, M. R. Hashemi, "*NSwitch – High-performance programmable protocol-independent switch*", 2023, ***[Under Prep.][Full Paper]***
- ❖ A. Khater, **A. M. Noohi**, M. R. Hashemi, "*Dynamic Surveillance Service in Smart Home using NFV Concepts in Fog Computing*", 2022, ***[Under Review][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]***

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, Mininet, Packet Tracer, Wireshark, …
- ❖ **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
- ❖ **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** $Aug. 2011 - Sept. 2020$
  - ▪ A 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 a team manager in Iran Zamin Clinic's Project
  - ▪ **Subject:** Intelligent patient communication system
- ❖ **Backend and Technical Moderator, JINARO, Isfahan, Iran** $Apr. 2018 - Sept. 2020$
  - ▪ Also as a member of the 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 of Golestan student manager website
- ❖ **Technical Moderator, Mihandownload** $Aug. 2012 - Aug. 2014$
  - ▪ **Subject:** Website Moderator
- ❖ **Technical Moderator, Softgozar** $May. 2011 - May. 2012$
  - ▪ **Subject:** Website Moderator

Teaching Experiences

❖ **Head of Teaching Assistants** in Computer Networks for **2 years** in **4 courses**   *Feb.* 2018 − *Jul.* 2020
- **Instructors : M.H. Manshaei and M.R. Heidarpour**

❖ **Head of Teaching Assistants** in Advanced programming for **4 years** in **8 courses**   *Sep.* 2016 − *Jan.* 2020
- **Instructors : Maryam Mouzarani, Zeinab Zali, Mansoureh Ejei**

❖ **Head of Teaching Assistants** in Fundamental Programming for **3 years** in **4 courses**   *Sep.* 2017 − *Jan.* 2020
- **Instructors : Elham Mahmoudzadeh, Samaneh Hosseini**

❖ **Teaching Assistant** in Computer Security   *Feb.* 2019 − *Jul.* 2019
- **Instructor : Maryam Mouzarani**

❖ **Teaching Assistant** in Basic Programming for **2 years** in **4 courses**   *Sep.* 2017 − *Jul.* 2019
- **Instructor : Elham Mahmoudzadeh, M.M. Naghsh, Ali Sharifipour**

* I've been a teaching assistant for a total of 21 times in B.Sc. and M.Sc. all at IUT

Selective Academic Projects (for more click <u>here</u>)

❖ **Deploy VMWare-Based Cloud Infrastructure**
- To Provide IaaS, PaaS, SaaS for customers
- **Reference:** <u>Link</u>

❖ **Packenger, Packet Generator and management**
- To create, send and receive packets on all type of interfaces
- **Reference:** <u>Link</u>

❖ **Software Switch using Packenger**
- To provide cross-platform software switch with automatic protocol retrieval
- **Reference:** <u>Link</u>

❖ **Virtual Private Network Using Cisco**
- To provide VPN on all platforms
- **Reference:** <u>Link</u>

❖ **Social Media Messenger**
- To provide chat system like Telegram
- **Reference:** <u>Link</u>

Languages	
Persian : *Native*	
English : *Professional Working Proficiency*	
Turkish : *Memorized Proficiency*	

References	
Dr. Massoud Reza Hashemi *Associate Professor, Isfahan University of Technology* *Ph.D., University of Toronto* **Email : hashemim@cc.iut.ac.ir**	
Dr. Mohammad Hossein Manshaei *Associate Professor, Isfahan University of Technology* *Ph.D., University of INRIA* **Email : manshaei@cc.iut.ac.ir**	
Dr. Mohammad Reza Heidarpour *Assistant Professor, Isfahan University of Technology* *Ph.D., University of Waterloo* **Email : mrheidar@cc.iut.ac.ir**	