



# Farbod Shahinfar

Birthday: 25/Feb/1998  
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Studying Master of Sc. in computer engineering at Sharif university of technology.

## Research Interests:

Performance of Programable Networks and Computer Systems

## EDUCATION

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**MSc. Computer Software Engineering** Sharif University of Technology  
Graduating September 2022

**Project:** Optimizing Load Balancing for Serverless Computing Platforms  
using Modeling Approaches

**Supervisor:** Dr. Ali Movaghar

**BSc. Computer Engineering** Iran University of Science and Technology  
Graduated September 2020

**Frist Rank,** 18.62/20 GPA

**Project:** Study of MMU Cache Partitioning Efficacy for Hierarchical Page Tables  
in OS Memory Management

**Supervisor:** Dr. Mohsen Sharifi

## PUBLICATION

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- A. Sanaee, F. Shahinfar, B. E. Stephens, G. Antichi, “Backdraft: a Lossless Virtual Switch that Prevents the Slow Receiver Problem”, in NSDI 2022.
- F. Shahinfar, S. Miano, A. Sanaee, G. Siracusano, R. Bifulco, G. Antichi, “The case for network functions decomposition”, in CoNext 2021.

## TEACHER ASSISTANT

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**Iran University of Science and Technology**  
September 2017 – Nov 2020

**Operating Systems**  
Dr. Mohsen Sharifi

Fall-2020

**Database design**  
Dr. Eisa Zarepour

Spring-2019

**Introduction to programming in Java**  
Dr. Mohammad Taher Pilevar

Spring-2019

**Introduction to programming in python**  
Dr. Adel Rahmani

Fall-2017 and Spring-2018

**Khatam University**

July 2019 - September 2019

**Python Programming Crash Course**  
Dr. Mohammad Taher Pilevar

Summer-2019

## **FRAMEWORKS/SOFTWARES**

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### **•NFV & End Host Networking**

- DPDK application programming
- XDP & AF\_XDP
- BESS: Berkeley Extensible Software Switch
- TAS: TCP Acceleration Service

### **•Programming Languages:**

- Python
- Javascript
- C/C++
- Bash Script

### **•Languages:**

*Persian:* Native

*English:* Working Profeciency