



# 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

**High School Diploma** Salam 3

Graduated May 2015

**GPA:** 19.84/20

## 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. [**BEST POSTER**]

## TEACHER ASSISTANT

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### Sharif University of Technology

2021-2022

<b>Program Development from Formal Specifications</b> Dr. Seyed-Hassan Mirian-Hosseiniabadi Master of Science Course	Spring-2022
<b>Performance Evaluation of Computer Systems</b> Dr. Ali Movaghar Master of Science Course	Fall-2021
<b>Operating Systems Lab</b> Dr. Hamid Beigy	July-2021

### Iran University of Science and Technology

September 2017 – Nov 2020

<b>Operating Systems</b> Dr. Mohsen Sharifi	Fall-2020
<b>Database design</b> Dr. Eisa Zarepour	Spring-2019
<b>Introduction to programming in Java</b> Dr. Mohammad Taher Pilevar	Spring-2019
<b>Introduction to programming in python</b> Dr. Adel Rahmani	Fall-2017 and Spring-2018

### Khatam University

July 2019 - September 2019

<b>Python Programming Crash Course</b> Dr. Mohammad Taher Pilevar	Summer-2019
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## 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

## WORK EXPERIENCE

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### Smart Online Monitoring Co

Mobile Application Developer  
January 2020 – April 2021

- Develop android application with React Native framework
- Use BLE (bluetooth low energy) communication protocol

React Native

Javascript

BLE

### Cognia (DigikalaNEXT Summer Camp)

Backend Developer  
July 2019 – March 2020

- Develop data gathering and data processing service
- Deploy service with containerization

Python

Flask

PostgreSQL

Docker & Docker Compose

Locust

### Loop Game Studio

Backend Developer (A project contract)  
June 2019 – August 2019

- Develop a REST API server for the game.
- Design a relational database for customizable items in sale.

Python - Flask

PostgreSQL

Docker & Docker Compose

### ElmoGame

Game developer  
July 2017 – January 2019

- Work with Unity3d engine
- Apply software design patterns in the project
- Communicate with game server using REST APIs

Unity3D

C#

## LANGUAGES:

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*Persian*: Native

*English*: Working Proficiency