



Farbod Shahinfar

Birthday: 25/Feb/1998
Email: fshahinfar1@gmail.com
Web page: fshahinfar1@github.io

Studying Master of Sc. in computer engineering at Sharif university of technology.

Research Interests:

Performance of Programable Networks and Computer Systems

EDUCATION

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

- 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

Sharif University of Technology
2021-2022

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

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
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FRAMEWORKS/SOFTWARES

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

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:

Persian: Native

English: Working Proficiency