Farbod Shahinfar

Email: farbod.shahinfar@polimi.it
Web page: fshahinfar1.github.io
Research Interests: Computer Systems, Operating Systems, Data Center Networking

EDUCATION

Ph.D. Information Technology   Politecnico di Milano
Expected Graduation date 2026
    Advisor: Prof. Gianni Antichi

MSc. Computer Software Engineering   Sharif University of Technology
Graduated September 2022
    18.81/20 GPA
    Thesis: 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

HONORS & AWARDS

❖ Best poster award [CoNext'21]

❖ First rank student [Iran University of Science and Technology]

❖ Prominent computer engineering student of the year (years 2017, 2018, and 2019) [Iran University of Science and Technology]

TEACHING ASSISTANT

Sharif University of Technology
    Program Development from Formal Specifications   (Dr. Seyed-Hassan Mirian-Hosseinabadi)
    Spring-2022   Graduate course
    Performance Evaluation of Computer Systems   (Dr. Ali Movaghar)
    Fall-2021   Graduate course
    Operating Systems Lab   (Dr. Hamid Beigy)
    July-2021   Undergraduate course
Iran University of Science and Technology
    Operating Systems   (Dr. Reza Entezari Maleki)
    Spring-2020   Undergraduate course

Operating Systems (Dr. Mohsen Sharifi)
Fall-2020   Undergraduate course
Database design (Dr. Eisa Zarepour)
Spring-2019   Undergraduate course
Introduction to programming in Java (Dr. Mohammad Taher Pilevar)
Spring-2019   Undergraduate
Introduction to programming in python (Dr. Adel Rahmani)
Fall-2017 and Spring-2018   Undergraduate

Khatam University
Python Programming Crash Course (Dr. Mohammad Taher Pilevar)
Summer-2019   Undergraduate

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**]

SKILLS

- Programming Languages: C, Python, Bash, LaTeX
- Frameworks & Tools: DPDK, eBPF/XDP, AF_XDP, Linux
- Languages: Farsi (Native), English (Working proficiency)