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Research interests: Computer Systems, Operating Systems, Data Center Applications

EDUCATION

Ph.D. Information Technology Politecnico di Milano [2023 — Present]

Expected Graduation date 2026

Advisor: Prof. Gianni Antichi

MSc. Computer Software Engineering Sharif University of Technology [2020 — 2022]

Graduated September 2022

BSc. Computer Engineering Iran University of Science and Technology [2016 — 2020]

Graduated September 2020

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-Hosseiniabadi)

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 course

Introduction to programming in python (Dr. Adel Rahmani)

Fall-2017 and Spring-2018 Undergraduate course

Khatam University

Python Programming Crash Course (Dr. Mohammad Taher Pilevar)

Summer-2019 Undergraduate course

PUBLICATION

- F. Shahinfar, S. Miano, G. Siracusano, R. Bifulco, A. Panda, G. Antichi, “Disaggregate Applications Along End-Host Data-Path”, in CoNEXT Student Workshop 2023.
- F. Shahinfar, S. Miano, G. Siracusano, R. Bifulco, A. Panda, G. Antichi, “Automatic Kernel Offload Using BPF”, in HotOS 2022.
- 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, “Poster: The case for network functions decomposition”, in CoNext 2021. [**BEST POSTER**]