Farbod Shahinfar **(PhD Student)**

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Research interests: Datacenter applications
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EDUCATION

Ph.D. Information Technology Politecnico di Milano [2023 — Present]
Expected Graduation date 2027
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

EXPERIENCES

- Visiting Student, MINDS Lab – KTH University [June – November 2025]

HONORS & AWARDS

- ❖ 3rd place at ACM Student Research Competition[SIGCOMM'25]
- ❖ 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]

PUBLICATION

- **F. Shahinfar**, S. Miano, A. Panda, G. Antichi, "Demystifying Performance of eBPF Network Applications", in CoNEXT 2025.
- **F. Shahinfar**, A. Panda, G. Antichi, "POSTER: Software Prefetching for eBPF Programs", in SIGCOMM Poster Session 2025. **[3rd place at ACM Student Research Competition]**
- M. Mole, **F Shahinfar**, F. M. Tranquillo, D. Zoni, A. Panda, G. Antichi, "Performance Implications at the Intersection of AF_XDP and Programmable NICs", in 3rd eBPF Workshop 2025.
- **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]**