

Fateme Shokouhinia

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Website: <https://fshok.github.io/>

Research Interests

Computer Architecture
Memory Systems
Processing In Memory

Education

Ph.D. in Computing Science
Simon Fraser University, BC, Canada
GPA so far: 3.33/4

September 2021 — present

Supervisor: Professor Alaa Alameldeen

M.Sc. Degree in Computer Systems Architecture
Amirkabir University of Technology, Tehran, Iran
GPA: 19.49/20

September 2019 — July 2021

M.Sc. Research Thesis Title: Reliability improvement in DWM-based caches
Supervisors: Dr. Hamed Farbeh, Dr. Saadat Pour Mozafari
Intelligent Computing and Communication Infrastructure (ICCI) Lab

B.Sc. Degree in Computer Engineering
Sharif University of Technology, Tehran, Iran
Total GPA: 14.64/20
GPA in the final year: 15.40/20

September 2014 — February 2019

B.Sc. Research Thesis Title: Investigating the reliability improvement methods in mixed-critical systems
Supervisor: Dr. Shaahin Hessabi

High School Diploma
Farzanegan High School (NODET), Tehran, Iran

September 2010 — June 2014

Qualifications

- Operating Systems: Linux, Windows
- Programming Languages: C, C++, Python, Matlab, Golang, familiar with Assembly
- Hardware Description Languages: VHDL, Verilog
- Hardware Simulation: Quartus, Modelsim, Xilinx ISE, Gem5

- Circuit simulation: Hspice, Pspice, Proteus

Publications

Meisam Abdollahi, Mohammad Baharloo, Fateme Shokouhinia, and Masoumeh Ebrahimi, 2021, "RAP-NoC: Reliability Assessment of Photonic Network-on-Chips, A simulator". In Proceedings of the Eight Annual ACM International Conference on Nanoscale Computing and Communication (NANOCOM '21). Association for Computing Machinery, New York, NY, USA, Article 16, 1–7. DOI:<https://doi.org/10.1145/3477206.3477455>

Work experience

Simon Fraser University, CS Department

September 2021 — present

Research Assistant

Supervisor: Professor Alaa Alameldeen

Simon Fraser University, CS Department

May 2022 — August 2022

Teaching Assistant

CMPT 295 - Introduction to Computer Systems

Instructor: Professor Arrvinth Shriraman

Language Skills

- Persian: Native
- English: TOEFL score: 105 (Reading: 27, Listening: 27, Speaking: 25, Writing: 26), GRE test has been taken

References

Available upon request