IMAN BARZEGARI

Graduate Student in Computer Engineering

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Tehran, Iran

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in imibarzegari

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EDUCATION

M.S. in Computer Engineering - Computer Systems Shahid beheshti University.

Sep 2019 - Ongoing

Thesis: Exploiting processing in memory for DNN Hardware Acceleration: I designed and developed a framework for using inmemory processing technology for DNN hardware acceleration. The framework integrates the procedure required for converting DNN models to executable binaries. This technology enables us to process memory-intensive layers of a DNN, such as convolution layers, on memory rather than GPU or CPU.

• Winner of national competition for research grant held among all Master's and PhD students. Only 30 projects won the award.

B.S. in Software Engineering Buein Zahra Technical University

Sep 2014 - Jan 2019

Final Project: Learning Management System: I used the state-of-the-art technology (ASP core for the back-end, angular6 for the front-end, and SQL server to manage the database) to design a fast and simple single-page learning management system. It is composed of three main modules: exam design, grading, and course evaluation.

PROFESSIONAL EXPERIENCE

Research Assistant

IPM (Institute For Research In Fundamental Sciences)

- Oct 2020 Ongoing
- Tehran, Iran
- Experience working with DNN frameworks such as PyTorch and Tensor-Flow.
- Familiar with various hardware accelerators such as Eyeriss, Cambriconx and process in memory hardware models such as hybrid memory cubes.
- Experience working with DNN compilers (Glow, ONNC, MLIR) for code generation on different instruction set architectures (ISA).
- Work with intermediate representation of deep neural networks such as ONNX and Caffe2.

Senior Developer

EPie

Aug 2015 – July 2020

- Tehran, Iran
- Worked on 10+ projects at various sizes as a full-stack developer, using different frameworks and technologies in the backend and frontend.
- Familiar with system design and architecture, software development life cycle, and agile project management.
- Managed an agile team of 3 in a fully-tailored Claim Management webapplication for an insurance company.
- Comprehensive full-stack development training of two interns during
 a summer internship program. The training covered frontend and backend development using MVC, EF and SQL. EPie hired both interns as
 full-stack developers following the internship.

AWARDS AND HONORS



Research Grant

Winner of national competition for research grant held among all master's and PhD students (2020)



Ranked among top 2% participants

National university entrance exam for master's studies (2019)

TEACHING ASSISTANT

Hardware Accelerator Shahid beheshti University

Spring 2021

Tehran, Iran

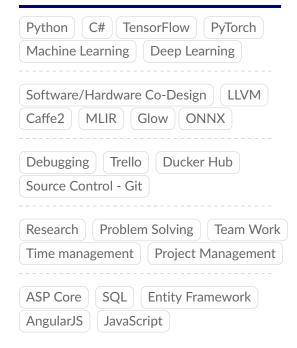
Test and Testability

Shahid beheshti University

Fall 2020

Tehran, Iran

SKILLS



SCORES



TOEFL Total Score: 94

Reading: 25, Listening: 27, Speaking: 21, Writing: 21



Advanced C# certificate

Total Score: **100/100** (Nov 2015)



GRE Total Score: 298Quant: 159, Verbal:139