Sima Jeddi

Montreal, Canada
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SimaJeddi.github.io

Education

2015 | 2017 **M.Sc. in Electrical Engineering - Digital Electronic Circuits**, *Amirkabir University of Technology*, *Tehran, Iran*.

GPA: 3.72/4.

Thesis: *Network traffic prediction for resource allocation in network function virtualization(NFV).*

Advisor: Dr. Saeed Sharifian.

2011 | 2015 **B.Sc. in Electrical Engineering - Electronics**, *Amirkabir University of Technology*, *Tehran, Iran*.

GPA: 3.89/4.

Thesis: *Design and implementation of baby's remote monitoring system on mobile phones using motion and voice sensors.*

Advisor: Dr. Saeed Sharifian.

Publications

S. Jeddi, S. Sharifian, *"A hybrid wavelet decomposer and GMDH-ELM ensemble model for Network function virtualization workload forecasting in cloud computing"*.
Journal of Applied Soft Computing - Elsevier, December 2019, DOI: 10.1016/j.asoc.2019.105940

S. Jeddi, S. Sharifian, *"A Water Cycle Optimized Wavelet Neural Network Algorithm for Demand Prediction in Cloud Computing"*.
Journal of Cluster Computing - Springer, Feb 2019, DOI: 10.1007/s10586-019-02916-2

Honors & Awards

Recipient of the McGill Engineering Doctoral Award (MEDA), McGill University, Canada, 2020.

Recipient of the Grant for Master's Thesis, from Iran's National Elites Foundation (INEF) for outstanding academic success, Iran, 2015-2017.

Recipient of the Grant for Graduate Studies, from Iran's National Elites Foundation (INEF) for outstanding academic success, Iran, 2015-2017.

Exceptional Talent Student Award, Exempted From the Nationwide Graduate Entrance Examinations for graduate studies at Amirkabir University of Technology, Tehran, Iran, 2015.

Second Rank, class of 2015, School of Electrical Engineering, Amirkabir University Of Technology, Tehran, 2015.

Recipient of the grant for undergraduate studies, from Iran's National Elites Foundation (INEF) for outstanding academic success, Iran, 2011-2015.

Top 0.3%, Iran's Universities Entrance Exam for B.Sc. Degree, Iran, 2011.

Bronze Medal, National Olympiad in Physics, Tehran, Iran, 2010.

Teaching Experience

ECSE 222 - Digital Logic Course, *Teaching Assistant*, Department of Electrical and Computer Engineering, McGill University, Winter 2020.

Logic Circuits course, *Head Teaching Assistant*, Department of Electrical and Computer Engineering, University Of Tabriz, Spring 2018.

Microprocessor Systems and Interface Course, *Head Teaching Assistant*, Department of Electrical Engineering, Amirkabir University of Technology, Spring 2016.

Skills

Programming Languages: C/C++, Python, Java, VHDL/Verilog, HTML/CSS

Tools: Jupyter Notebook, MATLAB

Languages: Persian (Native) English, Turkish (Fluent), French

Test Scores: **TOEFL iBT**: 102/120

Reading(27/30), Listening(28/30), Speaking(25/30), Writing(22/30)

GRE General: 319/340

Verbal Reasoning(149/170), Quantitative Reasoning(170/170)

Analytical Writing (3.5/6)

Courses

Some Relevant Coursework.

• IFT 6269 : Probabilistic Graphical Models - Fall 2020 (UdeM-Simon Lacoste-Julien).
Grade: To be announced

Amirkabir University.

• Stochastic Optimization: A.

• Statistical Pattern Recognition: A.

• Microprocessor Systems and Interfaces: A.

• Bio Inspired Artificial Intelligence: A.

• Data Communication Networks: A.

• Cloud Computing: A.

• Probability and Statistics: A.

Online courses.

Jul 2018 • Divide and Conquer, Sorting and Searching, and Randomized Algorithms.
Stanford University, Coursera

Aug 2018 • Graph Search, Shortest Paths, and Data Structures.
Stanford University, Coursera

Sep 2018 • Greedy Algorithms, Minimum Spanning Trees, and Dynamic Programming.
Stanford University, Coursera