
Ehsan Imani

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Department of Computing Science
1-20, Athabasca Hall
University of Alberta
Edmonton, Alberta
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EDUCATION

University of Alberta

- M.Sc. in Computing Science Sep 2017 – Feb 2019 (Expected)
 - Adviser: Martha White
 - Cumulative GPA: 4.0 / 4.0
 - Relevant coursework: Reinforcement Learning (Richard Sutton and Adam White): A, Machine Learning (Martha White): A+, Optimization Principles in Reinforcement Learning (Martha White): A

Sharif University of Technology

- B.Sc. in Software Engineering Sep 2011 – Sep 2016
 - Adviser: Mahdiah Soleymani Baghshah
 - Thesis: Distance Metric Learning for Multi-Modal Data: A deep approach

RESEARCH EXPERIENCE

Reinforcement Learning and Artificial Intelligence Lab, University of Alberta

- Graduate Research Assistant Nov 2017 – Present
 - Supervisor: Martha White
 - Focus: Deep Learning, Reinforcement Learning
 - Projects: Distributional Losses for Regression, Emphatic Actor-Critic

Machine Learning Lab, Sharif University of Technology

- Undergraduate Research Assistant Jul 2014 – Sep 2016
 - Supervisor: Mahdiah Soleymani Baghshah
 - Focus: Deep Learning, Metric Learning, Semi-Supervised Learning
 - Projects: Multi-Modal Metric Learning, Semi-Supervised Metric Learning

PUBLICATIONS

An Off-policy Policy Gradient Theorem Using Emphatic Weightings. [Ehsan Imani](#), Eric Graves and Martha White. *Advances in Neural Information Processing Systems (NeurIPS)*, 2018.

Improving Regression Performance with Distributional Losses. [Ehsan Imani](#) and Martha White. *International Conference on Machine Learning (ICML)*, 2018.

Multi-Modal Deep Distance Metric Learning. Seyed Mahdi Roostaiyan, [Ehsan Imani](#), Mahdiah Soleymani Baghshah, *Intelligent Data Analysis*, 2017.

ACADEMIC SERVICE

Reviewer

- AAAI 2019

TEST SCORES

GRE

- Verbal: 152/170, Quantitative: 170/170, Analytical Writing: 4.5/6 Nov 2015

TOEFL (iBT): 110/120

- Reading: 30/30, Listening: 27/30, Speaking: 23/30, Writing: 30/30 Aug 2015

AWARDS & SCHOLARSHIPS	Masters Early Achievement Award University of Alberta	Nov. 2018
	Travel award for International Conference on Machine Learning Stockholm	Jul. 2018
	Travel award for Machine Learning Summer School Kyoto University	Aug. 2015
	Ranked among the top 0.1% in the National University Entrance Exam	Jul 2011
	Qualified for RoboCup 2014, Brazil 2D soccer simulation league	Jul 2014
	2nd. place in SharifCup Robotics Competition 2D soccer simulation league	Oct 2013
	2nd. place in PNU Open 2013 Robotics Olympiad 2D soccer simulation league	Mar 2013
TEACHING EXPERIENCE	Introduction to Computing , University of Alberta ▪ Teaching Assistant under Marianne Kerolus	2017
	Signals and Systems , Sharif University of Technology ▪ Teaching Assistant under Hossein Sameti	2015
	Artificial Intelligence , Sharif University of Technology ▪ Teaching Assistant under Mahdiah Soleymani Baghshah	2015
	Engineering Probability and Statistics , Sharif University of Technology ▪ Teaching Assistant under Hamid Rabiee and Abbas Hosseini	2014
	Fundamentals of Programming , Sharif University of Technology ▪ Teaching Assistant under Sadjad Fouladi	2014
	Internship at VADA ▪ Project: Computer vision for intelligent marketing	Mar 2016–May 2016
RELEVANT PROJECTS	Semi-Supervised Metric Learning (Python) ▪ Implementation of recent semi-supervised metric learning methods.	
	Soccereus (C++) ▪ A multi-agent soccer simulation team empowered with several AI and ML methods.	
	FindIt (Java, Python) ▪ Evaluation of various methods of text classification and retrieval.	
	Clusters (MATLAB) ▪ Comparison of clustering methods on different datasets.	
TECHNICAL SKILLS	Proficient at programming in Python, Java, C++, and MATLAB. Familiar with Linux, Git, L ^A T _E X, and database design.	
LANGUAGES	Persian: Native language, English: Fluent, Arabic: Basic	