

# Ali Mortazavi

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CONTACT INFORMATION	Computer Science Department University of Victoria,	Email: <a href="mailto:alithemorty@gmail.com">alithemorty@gmail.com</a> Home: <a href="https://alimorty.github.io">https://alimorty.github.io</a>
EDUCATION	<b>University of Victoria</b> , Victoria, BC, Canada	
	Ph.D. Computer Science, Under supervision of <a href="#">Prof. Nishant Mehta</a> Online Learning	2021 –
	<b>Amirkabir University of Technology</b> (Tehran Polytechnic), Tehran, Iran	
	M.Sc. Artificial Intelligence,	2017 – 2020
	<b>Amirkabir University of Technology</b> (Tehran Polytechnic), Tehran, Iran	
	B.Sc. Computer Software Engineering, CGPA: Overall <b>18.47 / 20 (3.78/4)</b> Selected Course <b>19.33 / 20 (4/4)</b>	2013 – 2017
INTERNSHIP	<b>Shanghai University of Finance and Economics</b> , Shanghai, China	
	Visiting Research Student at Institute for Theoretical Computer Science Under supervision of <a href="#">Prof. Nick Gravin</a> Online Stochastic Matching	Summer 2019
RESEARCH INTERESTS	<ul style="list-style-type: none"><li>• Online Learning in Strategic Environment</li><li>• Mechanism Design</li><li>• Algorithmic Game Theory</li><li>• Randomized Algorithms</li></ul>	
PUBLICATIONS	Cristóbal Guzmán, and Nishant Mehta, and Ali Mortazavi. “ <a href="#">Best-case lower bounds in online learning</a> ” Advances in Neural Information Processing Systems 34 (2021).	
PRESENTATIONS	“Best-case lower bounds in online learning”, Advances in Neural Information Processing Systems 34 (2021). ( <a href="#">Link to presentation</a> )	
ATTENDED CONFERENCES AND SEMINARS	<ul style="list-style-type: none"><li>• <b>Upper Bound Conference</b>, Edmonton, Canada 2023 A workshop highlighting recent advancements in Machine Learning, including recent theoretical results in Reinforcement Learning and learning theory.</li><li>• <b>Mathematics of Ethical Decision Making Series</b>, PIMS 2022 Talks on the ethical and societal aspects of algorithm design, speakers include Gautam Kamath, Jamie Morgenstern, and Sampath Kannan.</li><li>• <b>NeurIPS 2021</b></li><li>• <b>Mechanism Design for Social Good</b> 2020 An interdisciplinary workshop where the focus is to use techniques from algorithms, optimization, and mechanism design to address various societal issues.</li><li>• <b>Winter Seminar Series in advanced topics of computer science</b> Jan 2020 Talks on “Computational Concentration of measure and robust learning” by <a href="#">Omid Etesami</a>, “Fairness in Clustering” by <a href="#">Mohammad Mahdian</a>, “Price of competition and Dueling Games” by <a href="#">Sina Dehghani</a>, etc.</li></ul>	

	<ul style="list-style-type: none"><li>• <b>Workshop on Data Science and Combinatorial Algorithms</b> April 2019 An introduction to “Mechanism Design and Differential Privacy” by <a href="#">Dr. Mahdian</a>, “Clustering and stable instances” by <a href="#">Prof. Salavatipour</a>, and other talks.</li><li>• <b>Short course on Information Design</b> December 2018 An introduction to information design by <a href="#">Prof. Haghpanah</a>.</li></ul>																												
HONORS AND AWARDS	<ul style="list-style-type: none"><li>• UVic Charles S. Humphrey Graduate Student Award 2022</li><li>• University of Victoria Scholarship for Graduate Student Award 2021</li><li>• <b>Ranked 3<sup>rd</sup></b> (out of 100) in term of Cumulative GPA among students of computer engineering of 2013 Entrance 2017</li><li>• Awarded as Outstanding Student in Amirkabir University of Technology 2015-2017</li><li>• Awarded direct admission to M.Sc. program in <b>Artificial Intelligence</b> at <i>Amirkabir University of Technology</i> as Talented Undergraduate Student 2017</li><li>• <b>Ranked 19<sup>th</sup></b> in the Final Stage in <b>National Scientific Olympiad</b> of Computer Engineering 2016</li><li>• Qualified in the Selection Exam of <b>National Scientific Olympiad</b> of Computer Engineering 2016 <b>Qualified as 9<sup>th</sup></b> among the students in all the Universities in the Tehran Region</li><li>• <b>Ranked 1<sup>st</sup></b> in the Department of Mathematics Team Selection Exam 2015</li><li>• <b>Ranked Top 0.8%</b> In The Country-wide University Entrance Exam 2013</li></ul>																												
TEACHING EXPERIENCE	<ul style="list-style-type: none"><li>• <b>Algorithms and Data Structures</b>, Guest Lecturer fall 2022 Instructor <a href="#">Prof. Nishant Mehta</a> (<a href="mailto:nmehta@uvic.ca">nmehta@uvic.ca</a>)</li><li>• <b>Theory of Computation</b>, Teaching Assistant fall 2023 Instructor <a href="#">Prof. Quinton Yong</a> (<a href="mailto:quintonyong@uvic.ca">quintonyong@uvic.ca</a>)</li><li>• <b>Algorithms and Data Structures</b>, Teaching Assistant fall 2023 Instructor <a href="#">Prof. Rich Little</a> (<a href="mailto:rlittle@uvic.ca">rlittle@uvic.ca</a>)</li><li>• <b>Algorithms and Data Structures</b>, Teaching Assistant summer 2023 Instructor <a href="#">Prof. Venkatesh Srinivasan</a> (<a href="mailto:srinivas@uvic.ca">srinivas@uvic.ca</a>)</li><li>• <b>Algorithms and Data Structures</b>, Teaching Assistant spring 2023 Instructor <a href="#">Prof. Sajin Koroth</a> (<a href="mailto:skoroth@uvic.ca">skoroth@uvic.ca</a>)</li><li>• <b>Algorithms and Data Structures</b>, Teaching Assistant spring 2021 and fall 2021, 2022 Instructor <a href="#">Prof. Nishant Mehta</a> (<a href="mailto:nmehta@uvic.ca">nmehta@uvic.ca</a>)</li><li>• <b>Probability and Statistics</b>, Teaching Assistant spring 2018 Instructor <a href="#">Prof. Amirhaeri</a> (<a href="mailto:haeri@aut.ac.ir">haeri@aut.ac.ir</a>)</li></ul>																												
HIGHLIGHTED COURSES	<table><tr><td>• Probability and Statistics</td><td>20/20</td><td>• Algorithm Design</td><td>20/20</td></tr><tr><td>• Stochastic Processes</td><td>20/20</td><td>• Advanced Topics in Algorithms</td><td>20/20</td></tr><tr><td>• Probabilistic Graphical Models</td><td>17/20</td><td>• Theory of Computation</td><td>20/20</td></tr><tr><td>• Statistical Machine Learning</td><td>20/20</td><td>• Discrete Mathematics</td><td>17.5/20</td></tr><tr><td>• Machine Learning Theory</td><td>A+</td><td>• Computational Geometry</td><td>19.3/20</td></tr><tr><td>• Collective Decision Making</td><td>A+</td><td>• Alg. for Convex Optimization</td><td>A+</td></tr><tr><td>• Intro. to Online Learning</td><td>A+</td><td></td><td></td></tr></table>	• Probability and Statistics	20/20	• Algorithm Design	20/20	• Stochastic Processes	20/20	• Advanced Topics in Algorithms	20/20	• Probabilistic Graphical Models	17/20	• Theory of Computation	20/20	• Statistical Machine Learning	20/20	• Discrete Mathematics	17.5/20	• Machine Learning Theory	A+	• Computational Geometry	19.3/20	• Collective Decision Making	A+	• Alg. for Convex Optimization	A+	• Intro. to Online Learning	A+		
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ACADEMIC EXPERIMENTAL PROJECTS	<p><b>Image Denoising and Segmentation Using Markov Random Field</b> <a href="#">[code]</a><a href="#">[report]</a></p> <p><b>Text Summarization</b> <a href="#">[code]</a><a href="#">[report]</a></p> <p><b>Text Classification</b> <a href="#">[code]</a><a href="#">[report]</a></p>																												