

## Hooman Hashemi

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CONTACT INFORMATION	Department of Computer Engineering Sharif University of Technology Azadi Avenue, Tehran, Iran, [Postal Code: 11155-11365]	<a href="mailto:hohashemi@ce.sharif.edu">hohashemi@ce.sharif.edu</a> +98 912 475 9082
RESEARCH INTERESTS	Algorithms and Theoretical Computer Science, Machine Learning and Deep Neural Networks, DNN Applications in Text, Computer 3D Vision, ML Applications in Bioinformatics,	
EDUCATION	<b>Sharif University of technology (SUT)</b> , Tehran, Iran.  B.Sc., Computer Engineering, <i>Software field</i> <span style="float: right;"><i>Expected: July 2017</i></span> <ul style="list-style-type: none"><li>GPA(up to now): <b>18.62/20</b></li></ul> <b>Some Selected Courses</b> <ul style="list-style-type: none"><li>Calculus 1 (17.9/20), Calculus 2 (19/20), Numerical Computation (19.6/20), Probability and Statistics (20/20)</li><li>Design of Algorithms (20/20), Data structures (20/20), Theory of Languages and Automata (19/20), Theory of Computation (19.5/20), Artificial Intelligence (19.4/20)</li></ul> <b>ATCCE High School</b> , Tehran, Iran  Diploma in Mathematics and Physics Discipline <span style="float: right;"><i>June 2013</i></span>	
HONORS AND AWARDS	<ul style="list-style-type: none"><li><b>Ranked 4<sup>th</sup></b> in West Asia Regional ACM-ICPC Contest , Tehran, Iran <span style="float: right;"><i>2014</i></span></li><li><b>Ranked 4<sup>th</sup></b> in West Asia Regional ACM-ICPC Contest , Tehran, Iran <span style="float: right;"><i>2013</i></span></li><li><b>Gold Medal</b> (Ranked 1<sup>st</sup>) in 22<sup>nd</sup> National Computer Olympiad <span style="float: right;"><i>2012</i></span><ul style="list-style-type: none"><li><i>Iranian National Olympiad in Informatics</i></li></ul></li><li><b>Silver Medal</b> (Ranked 12<sup>th</sup>) in 21<sup>st</sup> National Computer Olympiad <span style="float: right;"><i>2011</i></span><ul style="list-style-type: none"><li><i>Iranian National Olympiad in Informatics</i></li></ul></li></ul>	
RESEARCH EXPERIENCES	<ul style="list-style-type: none"><li><b>Research Assistant in ML lab.</b> <span style="float: right;"><i>Recently</i></span> Sharif University of Technology<ul style="list-style-type: none"><li>Working on sequence and text learning methods and their applications under supervision of Dr.M.Soleymani.</li></ul></li><li><b>Research Assistant in Graph lab.</b> <span style="float: right;"><i>Fall 2015 — present.</i></span> Sharif University of Technology<ul style="list-style-type: none"><li>Working on graph problems under supervision of Prof.S.Akabari.</li></ul></li></ul>	
WORKING PAPERS	<ul style="list-style-type: none"><li>Decomposing traceable cubic graphs. <span style="float: right;"><i>Fall 2015</i></span><ul style="list-style-type: none"><li>A joint work with S.Akbari, F.Abdolhosseini. To be written</li></ul></li></ul>	
TEACHING EXPERIENCES	<ul style="list-style-type: none"><li>Design of Algorithms <span style="float: right;"><i>Fall 2015</i></span> Teaching Assistant <i>Instructor: Dr.Mohammad Abaam, CE Department, SUT</i></li></ul>	

PROFESSIONAL EXPERIENCE	<ul style="list-style-type: none"><li>● Researcher and Developer in SUT Big Data Work Group</li><li>● Software Developer at Rahnama Co (Beep) , Tehran, Iran,</li></ul>	Summer 2015 Summer 2014
PROJECTS	<ul style="list-style-type: none"><li>● Light up<ul style="list-style-type: none"><li>· Light up is a mobile game that was published on the app store</li><li>· Reached <b>top ten</b> between complete-projects on <a href="#">Unity Asset Store</a>.</li></ul></li><li>● LOJS<ul style="list-style-type: none"><li>· LOJS is a Light weight judging system implemented and used to conduct friendly training contests before 22nd INOI.</li></ul></li></ul>	2014 2012
SELF STUDY	General Topics in Machine Learning <ul style="list-style-type: none"><li>● General Concepts<ul style="list-style-type: none"><li>· Coursera ML course by Prof. Andrew Ng</li></ul></li><li>● Deep Neural Networks And Sequence Learning Methods</li></ul>	
TECHNICAL SKILLS	<ul style="list-style-type: none"><li>● ML and DNN tools and languages<ul style="list-style-type: none"><li>· Skilled: Keras.</li><li>· Familiar: Theano,(a little bit Caffe).</li></ul></li><li>● Programing Languages<ul style="list-style-type: none"><li>· Expert: C++ and C, Java, Web languages</li><li>· Familiar: Python, Objective C</li></ul></li><li>● Tools and Other Languages: Unity, OpenGL, GLSL, MATLAB</li><li>● Mobile Developing and Design<ul style="list-style-type: none"><li>· Android</li><li>· Familiar: IOS</li></ul></li><li>● Web: jQuery, Angular, Django, React etc.</li></ul>	
LANGUAGES	<ul style="list-style-type: none"><li>– Persian: Native</li><li>– English: Fluent</li></ul>	
REFERENCES	Refrences are provided via hyperlinks. More information is available upon request	