

## Alper Demir

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CONTACT INFORMATION	1577. Str B1/2, Çiğdem Dist. Ankara, Turkey	+90-505-395-3937 ademir@ceng.metu.edu.tr
RESEARCH INTERESTS	Artificial Intelligence, Machine Learning	
EDUCATION	<b>Middle East Technical University (METU)</b> , Ankara, Turkey	
	Ph.D., Computer Engineering, September 2016 - ...	
	<ul style="list-style-type: none"><li>• Topic: <i>Subgoal Discovery in POMDPs</i></li><li>• Advisor: Polat Faruk, Ph.D</li></ul>	
	M.S., Computer Engineering, August 2016	
	<ul style="list-style-type: none"><li>• GPA: 3.79, Topic: <i>Effective Subgoal Discovery and Option Generation in Reinforcement Learning</i></li><li>• Advisor: Polat Faruk, Ph.D</li></ul>	
	B.S., Computer Engineering, June 2014	
	<ul style="list-style-type: none"><li>• GPA: 3.36, HONOR 7 Semesters, HIGH HONOR 1 Semester</li><li>• Erasmus Program : Wrocław University of Technology, Wrocław, POLAND, 2013</li></ul>	
RESEARCH EXPERIENCE	<b>Research Assistant</b> Department of Computer Engineering, Middle East Technical University Supervisor: Polat Faruk, Ph.D.	September 2014 to present
PUBLICATIONS	<ol style="list-style-type: none"><li>1. <b>Demir A., Çilden E., Polat F.</b>, "Local Roots: A Tree-Based Subgoal Discovery Method to Accelerate Reinforcement Learning", ECML/PKDD (2) 2016: 361-376</li><li>2. <b>Demir, A., Çilden, E., Polat F.</b>, "A History Tree Heuristic to Generate Better Initiation Sets for Options in Reinforcement Learning", ECAI 2016: 1644-1645</li></ol>	
TEACHING EXPERIENCE	Teaching Assistant, Department of Computer Engineering, Middle East Technical University	
	Ceng 230 Introduction to C Programming - Supervised two weekly lab sessions for eight weeks	Fall 2014-2015
	Ceng 223 Discrete Computational Structures Instructors: Polat Faruk, Ph.D., Sahillioğlu Yusuf, Ph.D., Oguztuzum H., Ph.D. - Prepared three written assignment - Organized midterm and final	Fall 2014-2015 / Fall 2015-2016
	Ceng 140 C Programming Instructors: Altıngövde İ. S., Ph.D., Coşar A., Ph.D., Üçoluk G., Ph.D. - Prepared one programming lab assignment - Lectured three recitations	Spring 2014-2015

	Ceng 242	Spring 2014-2015 / Spring 2015-2016
	Programming Language Concepts	
	Instructors: Akyüz A. O., Ph.D., Tolga O., Ph.D., Toroslu İ. H., Ph.D.	
	- Prepared two programming assignment	
	- Organized two recitation	
	- Organized midterm and final	
	Ceng 111	Fall 2015-2016
	Introduction to Computer Engineering Concepts	
	Instructors: Kalkan S., Ph.D., Coşar A., Ph.D., Üçoluk G., Ph.D.	
	- Supervised weekly lab sessions for 10 weeks	
	- Prepared two lab quizzes	
WORK EXPERIENCE	Software Developer, BTT Inc., METU Technopolis	2013-2014
	- Developed applications on Android	
	- Involved in Web Development	
	Intern, Turkish Aerospace Industries (TAI)	Summer 2012
	- Worked with senior developers in designing and developing software tools	
	- Wrote tests for Human Machine Interface partition	
SOCIAL ACTIVITIES	METU Amateur Photography Club	
	- Organized two photography festivals	
	- Contributed to four exhibitions	
INTERESTS AND HOBBIES	Basketball	
	Photography	
	Movies	
REFERENCES	Polat, Faruk	polat@ceng.metu.edu.tr
	Prof. Dr.	
	Department of Computer Engineering	
	Middle East Technical University	
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	Toroslu, İsmail Hakkı	toroslu@ceng.metu.edu.tr
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	Middle East Technical University	
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	Kalkan, Sinan	skalkan@ceng.metu.edu.tr
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