

Research Interests	Monitoring and Management of Large Scale Systems and Software, Data Analysis, Cloud Computing, HPC		
Education	Boston University		2015 - Present
	PhD in Computer Engineering		GPA: 3.93
	Advisor: Prof. Ayşe Kivılcım Coşkun · Electrical and Computer Engineering Dept.		
	Coursework: Advanced Data Structures, Computer Architecture, Advanced Digital Design with Verilog and FPGA, Introduction to Embedded Systems, Data Mining, Operating Systems, Cybersecurity, Advanced Computer Systems		
	Middle East Technical University (METU)		2010 - 2015
	B.S. in Electrical and Electronics Engineering	GPA: 3.23, Ranking: 37 th among 353	
	Minor in History of Philosophy		GPA: 3.50
Research Experience	Peac Lab Research Group	Boston, MA	September 2015 – present
	Researched on data center monitoring and analytics, interference in HPC and cloud systems, end to end tracing of distributed applications		
	BioMEMS Research Group	Ankara, TURKEY	June 2014 – June 2015
	Improved sensing circuitry of a MEMS based Coulter counter.		
Qualifications	<i>Programming Languages:</i> Verilog, C, C++, Java, Python, Perl, R, Shell <i>Software Tools:</i> OpenStack, Scikit-learn, Vowpal Wabbit, autotools, L ^A T _E X		
Publications	Ozan Tuncer, Emre Ates , Yijia Zhang, Ata Turk, Jim Brandt, Vitus Leung, Manuel Egele, Ayse K. Coskun, “Online Diagnosis of Performance Variation in HPC Systems Using Machine Learning,” under review in <i>Transactions on Parallel and Distributed Computing</i> (TPDS), 2018. Qingqing Xiong, Emre Ates , Martin C. Herbor dt, Ayse K. Coskun, “Tangram: Colocating HPC Applications with Oversubscription,” to appear in <i>IEEE High Performance Extreme Computing Conf.</i> (HPEC), Boston, 2018. Emre Ates , Ozan Tuncer, Ata Turk, Jim Brandt, Vitus Leung, Manuel Egele, Ayse K. Coskun, “Taxonomist: Application Detection through Rich Monitoring Data,” to appear in <i>European Conf. on Parallel and Distributed Systems</i> (Euro-Par), Torino, 2018. Ozan Tuncer, Emre Ates , Yijia Zhang, Ata Turk, Jim Brandt, Vitus Leung, Manuel Egele, Ayse K. Coskun, “Diagnosing Performance Variations in HPC Applications using Machine Learning,” in <i>Int. Supercomputing Conf.</i> (ISC-HPC), Frankfurt, 2017.		
Internships	Lawrence Livermore National Laboratory	Livermore, CA	Summer 2017
	Investigated the effect of power, network QoS, external traffic, number of processes, etc. on different supercomputing benchmarks, used machine learning to model the performance.		
	Sandia National Laboratories	Albuquerque, NM	Summer 2016
	Analyzed system monitoring data to automatically detect and classify anomalies in HPC clusters. Investigated allocation and task mapping algorithms for dragonfly systems.		
	ASELSAN AŞ (Military Electronic Industries)	Ankara, TURKEY	Summer 2013
	Improved the performance of an existing 2D radar simulation, to make 3D simulations feasible.		
Teaching Experience	Applied Algorithms and Data Stuctures	Boston University	Spring 2016, Fall 2016
	Weekly discussion session, checking exams and homeworks, coordinating the graders.		
Awards and Scholarships	Gauss Award ISC-HPC		June 2017
	Research paper award given by German Gauss Center for Supercomputing		
	Bülent Kerim Altay Award METU		Spring 2011
	For achieving 4.0 GPA		
Invited Talks	Diagnosing Performance Variations in HPC Applications Using Machine Learning, Lawrence Berkeley National Laboratory, July 2017.		