

Huseyin Ergin, Ph.D.

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EDUCATION	<i>Ph.D. in Computer Science</i> – The University of Alabama, Tuscaloosa, AL	2011 - 2017
	<i>M.Sc. in Computer Science</i> – The University of Alabama, Tuscaloosa, AL	2011 - 2013
	<i>M.Sc. in Computer Science</i> – Sabanci University, Istanbul, Turkey	2008 - 2010
	<i>B.Sc. in Computer Science & Engineering</i> – Yeditepe University, Istanbul, Turkey	2004 - 2008

PUBLICATIONS

Journal Articles	Huseyin Ergin , Eugene Syriani, Jeff Gray. <i>Design pattern oriented development of model transformations</i> . Computer Languages, Systems & Structures. Volume 46. November 2016. Pages 106-139. ISSN 1477-8424	
	Mesut Yavuz and Huseyin Ergin . <i>Advanced Specification Rules for the Combined Car Sequencing and Level Scheduling Problem</i> . Computers & Operations Research Journal (2017) [submitted, in review]	
Conference Proceedings	Mesut Yavuz, Burcu Keskin, and Huseyin Ergin . <i>Patrol Routing with Hybrid Electric Vehicles</i> . INFORMS Transportation and Logistics Society. July 2017	
	Jonathan Corley, Eugene Syriani, Huseyin Ergin . <i>Evaluating the Cloud Architecture of AToMPM</i> . International Conference on Model-Driven Engineering and Software Development. Rome, Italy. February 2016. Pages 339-346	
	Huseyin Ergin , Eugene Syriani. <i>Towards A Language To Express Design Patterns for Graph-Based Model Transformation</i> . International Conference on Model Transformations. York, UK. July 2014. Pages 91-105	
	Huseyin Ergin , Eugene Syriani. <i>Identification and Application of a Model Transformation Design Pattern</i> . ACM Southeast Conference. Savannah, Georgia. April 2013	
Book Chapter	Jonathan Corley, Eugene Syriani, Huseyin Ergin , Simon Van Mierlo. <i>Cloud-based Multi-View Modeling Environments</i> . Modern Software Engineering Methodologies for Mobile and Cloud Environments. IGI Global. January 2016. Pages 120-139	
Workshop Peer-Reviewed Papers	Huseyin Ergin , Eugene Syriani. <i>A Unified Template for Model Transformation Design Patterns</i> . Patterns in Model Engineering Workshop. July 2015. Pages 27-30	
	Huseyin Ergin , Eugene Syriani. <i>AToMPM Solution for the IMDB Case Study</i> . Transformation Tool Contest. York, UK. July 2014. Pages 134-138	
	Eugene Syriani, Hans Vangheluwe, Raphael Mannadiar, Conner Hansen, Simon Van Mierlo, Huseyin Ergin . <i>AToMPM: A Web-based Modeling Environment</i> . Model Driven Engineering Languages and Systems Demonstrations. October 2013. Pages 21-25	

Huseyin Ergin. *Model Transformation Design Patterns.* Model Driven Engineering Languages and Systems, Doctoral Symposium. October 2013. Pages 25-31

Eugene Syriani, **Huseyin Ergin.** *Operational Semantics of UML Activity Diagram: An Application in Project Management.* Model-driven Requirements Engineering Workshop. September 2012. Pages 1-8

**SCHOLARLY
SERVICE**

Reviewer at ACM SIG-CSE (Computer Science Education) 2018
– Baltimore, MD, USA
– <https://sigcse2018.sigcse.org/>

Reviewer at ACM Southeast Conference 2017
– Kennesaw, GA, USA
– <http://ccse.kennesaw.edu/acmse/>

Co-Organizer at Patterns in Model Engineering Workshop 2016
– Co-located with Model Driven Engineering Languages and Systems conference in Saint Malo, France.
– <http://ceur-ws.org/Vol-1693/>

Reviewer at Software and Systems Modeling Journal 2015 - 2016 - 2017
– <http://www.sosym.org/>

Reviewer at Modeling in Software Engineering Workshop 2016
– Austin, TX, USA
– <http://tinyurl.com/MiSE-2016>

Reviewer at Software Language Engineering Conference 2015
– Pittsburgh, PA, USA
– <http://www.sleconf.org/2015/>

Co-Organizer at Patterns in Model Engineering Workshop 2015
– Co-located with Software Technologies, Applications and Foundations federation in L'Aquila, Italy.
– <http://ceur-ws.org/Vol-1657/>

**K-12
OUTREACH
SERVICE**

CS Instructor at SITE Camp 2017
– SITE: Student Introduction to Engineering
– Teaching computer science principles to high school students in 3 sessions
– <http://site.eng.ua.edu/>

Staf at Alabama Computer Science Summer Camp 2017
– Helping students programming Java using Greenfoot.
– <http://outreach.cs.ua.edu/camps/>

Co-Organizer at Alabama Robotics Competition 2016 - 2017
– Head referee, organizing other judges
– <http://outreach.cs.ua.edu/robotics-contest>

Instructor at Hour of Code 2016 Tuscaloosa Event 2016
– Visited two local schools to organize hour of code workshops for 6th, 7th, and 8th grades.

Judge at Alabama Robotics Competition 2014 - 2015 - 2016
– <http://outreach.cs.ua.edu/robotics-contest>

Judge at Shelton's BEST Competition 2014 - 2015
– Boosting Engineering, Science and Technology
– Scoring Referee, Sportmanship Judge
– http://www.sheltonstate.edu/best_program.aspx

TEACHING EXPERIENCE

Graduate Teaching Assistant January 2012 - May 2017
The University of Alabama, Tuscaloosa AL
– Outstanding ACM Teaching Award in Computer Science in 2016
– Teaching assistant for CS 200: Software Design and Engineering using Java and UML (5 semesters).
– Organized all lab materials and projects.
– Adopted Slack for in-class communications.
– Developed a bot for Slack for automated-responses to students.
– Developed scripts for automatic handling of git repositories and project generation for students.
– Teaching assistant for CS 150: Programming I (with C++)
– Teaching assistant for CS 250: Programming II (with Python)
– Teaching assistant for CS 260: Foundations of Computer Science

REU Assistant May 2014 - August 2014
The University of Alabama, Tuscaloosa AL
– Worked on the modeling tool with two REU students (Research Experience for Undergraduates)
– Guided them with the comparison of different IDEs.

Teaching Assistant September 2008 - August 2010
Sabanci University, Istanbul, Turkey
– Teaching assistant for "CS201 - Introduction to Programming" and "CS202 - Data Structures" courses using C++.

INDUSTRY EXPERIENCE

Software Developer March 2017 - August 2017
Benchmark, Inc., Tuscaloosa AL
– Developed software for easing of routing items in a ring factory.
– Analyzed existing practices and offered methods to make them faster.
– Standardized the routing steps for future maintenance.
– Used Visual Studio, C#, SQL Server MS and Excel VBA.

Co-op Student May 2016 - August 2016
Mercedes-Benz US International, Vance AL
– Developed a validation software for EDI shipments specs in C#. Applied a nice set of testing so that it is still in use after I finished my co-op time.
– Designed a project tracking system in Sharepoint. In use broadly by various teams in the IT department.

Part-time Software Engineer August 2014 - May 2016
Mona - smart shopping assistant (www.monahq.com)
– Designed the company web pages using bootstrap, css, javascript and html.
– Developed in java for the back-end and in swift for the iOS app.

Software Engineer April 2010 - July 2011
Huawei Telecommunications, Istanbul, Turkey
– Developed in CMS (content management system), SDP (Service delivery platform) and SMP (Social media platform) for various carriers in Turkey.
– Used Java, JSP, HTML, CSS frequently.

Internship August 2007 - September 2007
IBM Turkey, Istanbul, Turkey
– Intern at IBM Center for Advanced Studies, working on a group project "Image Spam Filtering" using Python.
– Investigated images using histogram analysis.

AWARDS & SCHOLARSHIPS *Outstanding ACM Graduate Teaching Award* 2016
– Computer Science Department, University of Alabama

PhD Scholarship 2011 - 2013
– Stipend, tuition by MEB: Education Minister of Turkey
– Reason: scored 96/100 in graduate studies exam

MSc Scholarship 2008 - 2010
– Monthly stipend by TUBITAK: National Science Council of Turkey

BSc Scholarship 2004 - 2008
– Monthly stipend, tuition, food and dorm by Yeditepe University
– Reason: in top 2000 among 1.5M students in selection exam

COMMUNITY SERVICE *President of the Turkish Student Association* 2012 - 2015
– Organized various picnics, talks and workshops.
– <http://turkishsa.ua.edu>

Organizer at Turkish Food Festival 2014 - 2015 - 2016
– Birmingham, AL
– <http://TurkishFestAL.com>