

# ONUR DENIZHAN

Ph.D. Student at Columbia University

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## EDUCATION

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Sep 2015- Present	<b>COLUMBIA UNIVERSITY</b> Ph.D. in Department of Mechanical Engineering	New York, NY, USA
Jan 2014- Aug 2015	<b>LEHIGH UNIVERSITY</b> M.Sc. in Department of Mechanical Engineering & Mechanics - <i>Thesis</i> : Three-Position Four-Bar Linkage Mechanism Synthesis, Static Balancing and Optimization of Automotive Engine Hood	Bethlehem, PA, USA
Sep 2012- June 2013	<b>UNIVERSITY OF MICHIGAN</b> English Language Program	Flint, MI, USA
Jan 2012- July 2012	<b>HACETTEPE UNIVERSITY</b> English Language Program	Ankara, TR
Sep 2007-Jun 2011	<b>INONU UNIVERSITY</b> B.Sc. in Department of Mechanical Engineering	Malatya, TR
Sep 2002- Jun 2005	<b>20 MAY FOUNDATION TURGUT OZAL HIGH SCHOOL</b> High School, Science/Physical Sciences	Malatya, TR
Sep 1994- Jun 2002	<b>ATATURK ELEMENTARY SCHOOL</b> Primary School	Malatya, TR

## WORK EXPERIENCE AND INTERNSHIPS

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Sep 2015- Present	<b>COLUMBIA UNIVERSITY</b> Graduate Research Assistant	New York, NY, USA
Fall 2016 Semester	<b>COLUMBIA UNIVERSITY</b> Grader (MECE 4602 Introduction to Robotics)	New York, NY, USA
Jan 2014-Aug 2015	<b>LEHIGH UNIVERSITY</b> Graduate Research Assistant	Bethlehem, PA, USA

Jun 2007- Sep 2011	<b>MUHENDIS OTOMOTIV</b> Automobile Parts Dealer - Worked as a part time engineer candidate to analyze causes of failure of mechanical parts	Malatya, TR
Nov 2010- Jun 2011	<b>INONU UNIVERSITY</b> Undergraduate Research Assistant - Design and implemented energy efficient central air conditioning systems.	Malatya, TR
July 2010-Aug 2010	<b>MALATYA SEKER FABRIKASI A.S.</b> Sugar Factory, Intern - Worked as an intern engineer on production organization and management	Malatya, TR
Jun 2009- Aug 2009	<b>MALATYA SEKER FABRIKASI A.S.</b> Sugar Factory, Intern - Worked as an intern engineer on material sciences and measuring techniques.	Malatya, TR

## AWARDS

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Jun 2011	<b>BEST DESIGN TEAM</b> - “Design and Implementation of Energy Efficient Central Air Conditioning Systems” Project Competition. - Selected as the best project among the twenty participants from the top Turkish Universities.	Istanbul, TR
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## SCHOLARSHIPS

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Sep 2011- Present	<b>STUDY ABROAD SCHOLARSHIP</b> - Scholarship given by the Turkish Ministry of Education for M.Sc. and Ph.D. education.
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## SKILLS

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Language	Turkish (Native); English (Upper)
Programming	Google App Engine; Django Web Framework; Python, C++
Software and OS	LabVIEW; Auto-CAD; SolidWorks; Pro/ENGINEER with Mechanica; MacOS; Matlab; Adobe Photoshop; Acrobat; Flash; MS Office; Windows; Linux;

## ACTIVITIES

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Columnist	Articles were about politics and published weekly in a news webpage.	2013-2014
Memberships	<ul style="list-style-type: none"><li>• <b>TEMA</b> - The Turkish Foundation for Combating Soil Erosion, for Reforestation and the Protection of Natural Habitats</li><li>• <b>UCTEA</b> - Turkish Chamber of Mechanical Engineers</li><li>• <b>IEEE</b> - Institute of Electrical and Electronics Engineers</li><li>• <b>ASME</b> - American Society of Mechanical Engineers</li></ul>	<p>1999-Present</p> <p>2008-Present</p> <p>2013-Present</p> <p>2013-Present</p>

## PUBLICATIONS

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Undergraduate Research Project and Thesis	Design and Implementation of Energy Efficient Central Air Conditioning Systems, <i>June 2011</i>
Conference Papers	<b>C1.</b> Ogur S. M., Tacgun E., <u>Denizhan O.</u> , Erdogan A., Canbazoglu S. “Energy efficiency-based design and economic analysis on the central air conditioning systems for an example of shopping center in Kayseri” <i>1<sup>st</sup> National Symposium on Air-Conditioning Cooling Training, 683-697, Balikesir, Turkey, 13-15 September 2012.</i>
Masters Thesis	“Three-Position Four-Bar Linkage Mechanism Synthesis, Static Balancing and Optimization of Automotive Engine Hood”, <i>Lehigh University, USA August 2015</i>

*RELEVANT COURSE WORK & REFERENCES: Available upon request.*