

# MUSTAFA ONCUL

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## EDUCATION

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**Drexel University**, Philadelphia, PA, USA

*Master of Science, Mechanical Engineering & Mechanics* Sept. 2015 – June 2017 (exp.)

- Dean's Fellowship Award

**Karabuk University**, Karabuk, TURKEY

*Master of Science, Department of Mechanical Engineering (not completed)* Sep. 2013 – Jan. 2014

- Withdrew from studies after one semester to pursue Turkish Ministry Scholarship in U.S.

Faculty of Engineering

*Bachelor of Science in Engineering, Department of Mechanical Engineering* Sep. 2008 - July 2013

- Specialization: Construction and Manufacturing
- Senior Project - "Configuration of the Warm Deep Drawing Unit and Investigation of Warm Deep Drawing Behavior of Aa5754-O Alloy"
- TUBITAK (The Scientific and Technological Research Council of Turkey) Award, Supporting Industrial-Orientation Graduation Thesis, 2012
- A national report published, 7<sup>th</sup> Automotive Technologies Congress, Bursa, Turkey, May 2014

## WORK EXPERIENCE

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**Factory Organization Intern**, *Aydinsan Break Systems, Co. Ltd.*, Konya, TURKEY July-August 2012

- Observed the process of industrial organization and coordination of departments
- Worked on assembly line improvement project; reported time study work of the product Mechanic 14
- Reported on brake lining sheet cost calculation

**Manufacturing Intern**, *Di-san Gear Industry*, Konya, TURKEY July-August 2011

- Worked on production line; entering the work piece codes Cnc lathe and lathe them
- Experienced manufacturing processes respectively Sawing, Cnc Turning, Universal Lathe, Milling, Bevel Gear, Hobbing, Fellow, Grinding and Deburring Workshop
- Aided the technicians and worked out machine logic

## DESIGN PROJECTS

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*Designed a plastic injection machine in SolidWorks, Die/Mold Design Techniques* Spring 2013

*Determined Design Factors of Multilayered Window Type Savonius Wind Turbines, Machine Project 1* Fall 2012

*Designed a manual press in Catia, Computer Aided Design 2* Fall 2012

*Designed and simulated a slack adjuster in Creo Parametric, Computer Aided Design 1* Spring 2012

*Designed and presented the manufacturing processes of a bevel gear, Manufacturing Process* Fall 2011

## SCHOLARSHIPS

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Republic of Turkey Ministry of National Education Scholarship Jan. 2014

- Received full scholarship for graduate study in U.S. including academic and living expenses

Republic of Turkey Prime Ministry Scholarship Feb. 2010-June 2013

## SKILLS & INTERESTS

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*Advanced Computer Skills:* SolidWorks, Creo Parametric, MS Office (Word, Excel, and PowerPoint)

*Basic Computer Skills:* Matlab, MasterCam, Catia, AutoCad, C++

*Language Skills:* **Turkish** – Native, **English** – Fluent, **Arabic** and **German** - Beginner

*Interested in:* Nano Technology, Biomimicry, History, Critical Analytical Thinking