

# WAHEEDULLAH TAJ

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## PROFESSIONAL SUMMARY

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Innovative engineer with great motivation and a thirst for challenge. Funded and directed many student teams. Designed many engineering systems. Performed research on many fundamental engineering subjects.

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## EDUCATION

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### MIDDLE EAST TECHNICAL UNIVERSITY

*Bachelor of Science in Aerospace Engineering*

Ankara, TR

September 2012 – June 2016

- GPA: 3.67, High Honor

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## EXPERIENCE

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### AEROTIM ENGINEERING LLC.

*Aerospace Engineer*

Ankara, TR

March 2016 - Present

- Develop simulation software for aircraft and rotorcraft.
- Aerodynamic and stability analyses of aircraft and rotorcraft.

### METU CENTER FOR WIND ENERGY

*Researcher*

Ankara, TR

January 2015 - Present

- Research on photoelasticity and fracture mechanics.
- Research on dynamic friction.

### MIDDLE EAST TECHNICAL UNIVERSITY

*Researcher*

Ankara, TR

March 2016 – June 2016

- Research on multiscale modelling of carbon nanotube reinforced composites in a research project funded by TUBITAK.

### VARIOUS STUDENT TEAMS

*Leader, Designer, Founder*

Ankara, TR

June 2014 – May 2016

- Worked as part of teams Kerkenez (aircraft design and production team), METUSAT 2015 and 2016 (Miniature satellite design team), METU CORE (Aircraft engine design team) and others as team leader, designer and engineer. I founded team METU CORE.

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## HONORS AND ACHIEVEMENTS

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**1<sup>ST</sup> PLACE**, METU Engineering Day 2016 Poster Competition, Undergraduate Research Category.

**4<sup>TH</sup> PLACE**, CANSAT Competition 2015.

**HIGH HONOR STUDENT**, Middle East Technical University.

**SUCCESS SCHOLARSHIP**, recipient of.

**AFGHAN GOVERNMENT SCHOLARSHIP**, recipient of.

**TUBITAK RESEARCH SCHOLARSHIP**, recipient of.

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## PUBLICATIONS

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Taj, W. 2015. Experimental determination of the stress intensity factor using Photoelasticity. MATTER, Turkey's first undergraduate research journal (Text available at <http://www.matter.mete.metu.edu.tr> )

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## SKILLS

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**LANGUAGES:** Fluent in numerous languages like English (TOEFL score: 111), Turkish (TOMER Score: C1), Persian (Native language) and Turkmen (Mother tongue) and familiar with many others like Russian and Arabic.

**PROGRAMMING:** Excellent skills in FORTRAN, C, MATLAB, Visual Basic, PHP, HTML, JavaScript and others.

**GRAPHING AND DRAWING:** Excellent skills in Tecplot, Solidworks, AutoCAD and others.

**ENGINEERING ANALYSIS:** Excellent skills in Ansys structural and Fluent, Patran, Nastran, Abaqus and others.