

M.Erdogan Ozalp

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Mechatronics Engineer

- ▶ Outstanding individual contributor and a fantastic team player; illustrates the true meaning of teamwork, creates good, long-lasting relationships with others along the way.
- ▶ Strategic thinker; striving to make the best of each and every situation.
- ▶ Self-starter/Internally motivated who draws energy from unknowns.
- ▶ Capable of working very independently with superior quality work, on time, and within budget.
- ▶ Have a natural desire to develop new skills.

Computer Skills

CAD/CAM Software: Solidworks, UG NX, AutoCAD, Mastercam

FEA Analysis: Ansys, Hypermesh

PCB Design: KiCAD, Proteus

Programming Language: C, C#, VB6, VB.NET,

Others: Python, Bash, Matlab - Simulink

Professional Work Experience

GE Aviation

Kocaeli, TR

TS/TP Cold Section Hardware Owner

2015 – Present

Design Engineer

2014 – Present

Currently, I'm the cold section hardware owner of military turboshaft and turboprop engines, I'm leading the efforts to keep the aircrafts flying. At the same time, I'm also leading the F110-F118 jet engines' front frame redesigns.

- ▶ Leading CT/T58 and CT/T64 engines manufacturing support efforts to continuously supply spare parts to commercial customers and Navy.
- ▶ Supporting TEI to successfully build T700-701D engine for Turkish Utility Helicopter.
- ▶ Leading the F110 - F118 engines Front Frame Re-Design project for the USAF.
- ▶ In 2016, under the scope of military CIP program, I led the T64 Compressor Case Repair project. The proposed concept was substantiated with the preliminary hand calculations, final engineering calculations, 3D stiffness analysis, and thermal analysis. Total saving is over \$1.4 million per year.

- Recognized with Bronze Award in 2016 for the successful hardware ownership efforts, work prioritization and source balancing according to the customer needs, successful completion of T64 Compressor Case Repair project.
- Participated in 4 military rotating part audits.

Ford Otosan

Istanbul, TR

Product Development, Design and Release Engineer

2014

Worked at the Cargo truck air suspension team. I was responsible for the electronic control unit (ECAS) and sensors. Worked on the implementation of hardware and software to the MY2016 programs and conducted series of tests to introduce new features.

Mekatsis Research and Development Center

Istanbul, TR

Mechatronics Engineer

2013 – 2014

Joined a startup to develop a “Forearm Rehabilitation Robot”. I was responsible for the development of electronics, software, and mechanical optimization.

- Successful concept design took the interest of Turkish Ministry of Science, Industry, and Technology. The company received funding of \$55k.
- Successfully built a fully functional prototype. Raised public attention and televised in a tech show on national TV channel.

Bosch

Istanbul, TR

Project Intern

2012

Successfully completed multiple projects during the program. I was mainly responsible for decreasing the support ring assembly losses and stabilization of the process at the assembly lines. With the help of updated processes and machine vision system, assembly losses reduced close to zero.

Education

Yildiz Technical University

Istanbul, TR

Master of Science - Mechatronics Engineering

2013 - 2016

Yildiz Technical University

Istanbul, TR

Bachelor of Science - Mechatronics Engineering

2009 - 2013

Robert Bosch Fellow & Turkish Airlines Technic Fellow