



ALPEREN CAN

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SUMMARY

I'm an open to self-development, quick-learner, enthusiastic and resourceful engineer interested in lean manufacturing, quality, structural analysis, CFD, topology optimization and design. I'm planning to improve my skills in the direction of these areas.



EDUCATION

Bachelor Degree | Eskişehir Osmangazi University – Mechanical Engineering

20.09.2014 – 18.10.2019

Compulsory preparatory class was passed with English proficiency exam.

Bachelor Degree | Vilnius Technical University – Mechanical Engineering

25.09.2015 – 03.02.2016

I had a foreign language education and an abroad experience by Erasmus student exchange program in Lithuania for one semester with a scholarship.



EXPERIENCE

Quality Assurance Intern | Bosch Thermotechnology

02.09.2019 – 20.09.2019

Quality problems in terms of production, product and customer were examined and their solutions were investigated. PAM meetings were held and improvements were made.

Product Development Intern | Kiraç Group - Kiraç Metal

14.01.2019 – 08.02.2019

Some products were examined and improvements were made according to customer complaints and requests. Product trees were created with the ERP software.

Manufacturing Engineering Intern | Kiraç Group - Kiraç Metal

13.08.2018 – 07.09.2018

Chipless manufacturing methods were observed. Some processes have been improved.

Manufacturing Engineering Intern | TEI - TUSAŞ Engine Industries

17.07.2017 – 18.08.2017

Machining manufacturing methods and special processes used were observed. Parts and process followed up.



SKILLS

- Microsoft Office
- Design (Solidworks/Siemens NX)
- Structural Analysis (ANSYS Workbench)
- Computational Fluid Dynamics (FLUENT)



FOREIGN LANGUAGES

English | Advanced

German | Beginner



COURSES

R&D Engineer Training Program | TOFAŞ-RENAULT-COŞKUNÖZ

17.06.2019 – 29.08.2019

36 different trainings in total for 300 hours (Prototype Production Methods, 3D Printers, Composite Materials, Manufacturing Technologies, Innovation, TRIZ, Design FMEA, Industry 4.0, Concept and Industrial Design, Success in Presentation, Communication...)



CERTIFICATIONS

- Intellectual and Industrial Property Management - *Erdem Kaya Patent Danışmanlık*
- TRIZ (Theory of Inventive Problem Solving) - *Kaykayoglu Innovation Group*
- GD&T (Geometric Dimensioning and Tolerancing) - *Faveo Eğitim Danışmanlık*
- NDT (Non-Destructive Testing) - *Gedik Test Merkezi*
- Process FMEA - *OYAK Renault*
- Writing a Project - *Innoem Eğitim-Danışmanlık*
- Project Management - *Ropart Group*
- ANSYS and Basics of Numerical Analysis – *Numesys*
- Feasibility Study Training - *Kiwa Türkiye*
- Lean Manufacturing - *ZTR Danışmanlık*
- Design Thinking - *Sürekli Gelişim Danışmanlık*
- SPC (Statistical Process Control) - *İLTEM İleri Teknoloji Merkezi*
- Mechatronic Training - *Entek Teknoloji ve Eğitim*
- DOE (Design of Experiments) - *Sigma Center*
- Customer Centricity - *Faveo Eğitim Danışmanlık*
- Plastic Materials - *Faveo Eğitim Danışmanlık*
- QFD (Quality Function Deployment) - *GEMBA Akademi*



PROJECTS

Topology Optimization of Steering Knuckle with Generative Design Method

The steering knuckle part has been reduced 40% mass by topology optimization with generative design method and made suitable for additive manufacturing.

Thermal Modelling and Numerical Analysis of PCM Material

Solidification modelling and numerical analysis of the phase changing material (PCM) was performed in the shell pipe model with ANSYS software. The effect of various parameters on the result was examined.



VOLUNTEERING EXPERIENCE

English Teacher | TEGV (Educational Volunteers Foundation of Turkey)

08.02.2019 – 14.06.2019

I taught English to primary school students and helped with their homework for four months.



REFERENCES

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