

BATUHAN ÖZKUZULAR

MECHANICAL ENGINEERING STUDENT

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EXPERIENCE

Yeditepe University

Student Assistant (September 2022 - Present)

- Student Assistant Me 266 Solid Mechanics Laboratory (January 2024 – Present)

Observing the mechanical behavior of materials. Conducting experiments such as tensile testing, hardness testing, metallography, and strain gauge applications. Measuring strains on structural elements under various loads. Analyzing and reporting experimental data

- Student Assistant Me182 Engineering Graphics & Solid Modeling (January 2023 – Present)

Teaching first-year students 3D modeling, technical drawing, and hand sketching rules. Developing students' design skills through practical instruction.

- Student Assistant Me101 Introduction To Mechanical Engineering (September 2022 – Present)

Teaching first-year students the fundamental concepts of engineering. Instructing the use of office programs and academic report preparation. Providing basic training in MATLAB for coding and analysis, and Onshape for 3D design.

Phanes Beauty & Aesthetics Germany

(11 Months - July 2021 – June 2022)

Technical Designer

For Phanes Company, we designed an epilation device to be manufactured by Bosch in Germany. As two students, we enhanced our experience and practical knowledge throughout the project. We collaborated closely with German and Turkish engineers and craftsmen during the design and production phases, resulting in a successfully manufactured case design that is currently in use.

Esit Electric

(3 Months - June 2019 – August 2019)

Mechanical Technician (internship)

Manufacturing transformer parts using press, CNC machines, lathes, and milling machines. Repairing damaged transformer molds. Gaining experience with various production techniques.

KOÇ KABLO Industrial and Trade Co. Ltd.

(7 months - June 2015 – December 2015)

- Quality Control Technician

Checking the conformity of materials, primarily copper, entering the production line to the standards. Monitoring production in accordance with technical directives. Ensuring the inspection of finished products.

- Mechanical Technician (internship) (3 Months - June 2014 – August 2014)

Receiving training and working on machine maintenance and part production in the factory's workshop. Gaining experience in the quality control department, learning about the production process and quality control standards.

VOLTRAN Hunting Weapons

(3 Months - June 2013 – August 2013)

CNC Operator (internship)

Receiving training and gaining experience in the working principles and production techniques of CNC machines.

EDUCATION

- **Bachelor's Degree in Mechanical Engineering** (Expected June 2025)
Yeditepe University
- **Associate's degree Machine Program** (June 2020)
Istanbul University – Cerrahpasa
- **Bachelor's Degree in Economics** (June 2018)
Anadolu University
- **Machine Technology (Computerized Machinery Manufacturing)** (June 2014)
Haydarpasa Technical Anatolian High School

PROJECT

- Investigation of Alternative Fuel Types for Use in ICE Motors (Ongoing)
- Software-based Image Processing and Modeling in Mechanical Engineering (Ongoing)

Skills & Abilities

- Office programs (Excel, Word, Power Point)
- MATLAB Analysis
- ANSYS Analysis
- CFD (Computational Fluid Dynamics)
(ANSYS FLUENT)
- Finite Element Analysis (FEA)
- CATIA
- SolidWorks
- Siemens NX
- AutoCAD
- Quality Control
- Production Line Experience
- CNC Usage and Programming
- Computer-Aided Design (CAD)
- Testing and Validation
- Product Design
- Analysis and Reporting

Languages

- ENGLISH - B2
- GERMAN – B1

Portfolio

My portfolio is available on my blog page.



www.mechengbatuhanozkuzular.com

Certificates & Awards

- TEI Aviation Engines School Certificate of Achievement (TUSAŞ Engine Industries Inc.)
- OSD Summer Camp Achievement and Participation Certificate (Automotive Manufacturers Association)
- Yeditepe University 3D modeling (Yeditepe University)
- First Place Solidworks / Onshape Yeditepe University
- Honor student (Istanbul University – Cerrahpasa)

References

- Assistant Prof. Dr. Fethi Okyar (fethio@gmail.com)
- Associate Prof. Dr. Nezih Topaloglu (nezih.topaloglu@yeditepe.edu.tr)
- Assistant Prof. Dr. Onur Cem Namli (onur.namli@yeditepe.edu.tr)
- Lecturer Ahmet Ağaoğlu (ahmet.agaoğlu@yeditepe.edu.tr)