John Doe

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Summary

I am a motivated Mechanical Engineer with a strong academic record from prestigious institutions and practical experience in innovative environments like CERN. My specialization lies in the design, simulation, and implementation of mechanical systems, especially in robotics and finite element analysis. I possess strong technical skills, approach problems proactively, and am dedicated to innovation. I excel in team settings where I can contribute to significant projects and promote advancements in engineering.

Education

BS **My University**, Mechanical Engineering
- GPA: 3.99/4.00 (Transcript ⧉)
- Class rank: 1 of 62

Ankara, Türkiye
Sept. 2017 to Jan. 2023

The University of Texas at Austin, Mechanical Engineering, Student Exchange Program
- GPA: 4.00/4.00 (Transcript ⧉)

Austin, TX, USA
Aug. 2021 to Jan. 2022

Work Experience

CERN, Mechanical Engineer
- CERN is a research organization that operates the world's largest and most powerful particle accelerator.

Geneva, Switzerland
Feb. 2023 to present
1 year 1 month

AmIACompany, Summer Intern
- AmIACompany is a technology company that provides web-based engineering applications that enable the simulation and optimization of products and manufacturing tools.
- Modeled and simulated a metal-forming process deep drawing using finite element analysis with open-source software called CalculiX.

Istanbul, Türkiye
June 2022 to Aug. 2022
2 months

Academic Projects

Design and Construction of a Robot, view on my website ⧉
- Designed and constructed a controllable robot that measures a car's torque and power output at different speeds for my senior design project.

Istanbul, Türkiye
Fall 2022

Design and Construction of an Another Robot, view on my website ⧉
- Designed, built, and programmed a microcontroller-based device that plays a guitar with DC motors as part of a mechatronics course term project.

Istanbul, Türkiye
Fall 2020

Certificates

Machine Learning by Stanford University, Certificate ⧉

Sept. 2022

Personal Projects

Ray Tracing in C++, view on my website ⧉
- Coded a ray tracer in C++ that can render scenes with multiple light sources, spheres, and planes with reflection and refraction properties.

Spring 2021

Skills

Programming: C++, C, Python, JavaScript, MATLAB, Lua, LaTeX

OS: Windows, Ubuntu

Other tools: Git, Premake, HTML, CSS, React

Languages: English (Advanced), French (Lower Intermediate), Turkish (Native)

Test Scores

TOEFL: 113/120 — Reading: 29/30, Listening: 30/30, Speaking: 27/30, Writing: 27/30 (Score Report ↗)

GRE: Verbal Reasoning: 160/170, Quantitative Reasoning: 170/170, Analytical Writing: 5.5/6 (Score Report ↗)

Extracurricular Activities

Dumanlikiz Skiing Club, Co-founder / Skiing Instructor   Chamonix, France
- Taught skiing during winters as a certified skiing instructor.   Summer 2017 and 2018

Publications

Phononic band gaps induced by inertial amplification in periodic media   Aug. 2007

A. 1, *J. Doe*, A. 3

10.1103/PhysRevB.76.054309 ↗ (Physical Review B)

My Custom Section

Testing custom sections: Wohooo!

This is a: OneLineEntry!

My Other Custom Section

HA   Hop!, Hop!   June 2022 to Aug. 2022
- There are only five types of entries: *EducationEntry*, *ExperienceEntry*, *NormalEntry*, *OneLineEntry*, and *PublicationEntry*.   2 months
- This is an EducationEntry!

My Third Custom Section

Hop!, Hop!   My Location
- I think this is really working. This is an *ExperienceEntry*!   My Date

My Final Custom Section

This is a normal entry!, My Link Text ↗
- You don't have to specify a *date* or **location** every time.
- You can use *Markdown* in the **highlights**!
- Special characters test: üğç