



Mehmet Çağrı Eti

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Profile

Master's student in Quantum Science and Technology at TUM with a B.S. in Physics (optics concentration) and additional Mechanical Engineering background. Experienced in R&D engineering, optical system design, simulation, and experimental analysis. International research experience in Germany and Türkiye, with a strong foundation in laboratory work, programming, and data analysis.

Education

Technical University of Munich (TUM)

M.Sc. Quantum Science and Technology

Munich, Germany

Oct 2024 – Present

Middle East Technical University (METU)

B.Sc. Physics, GPA: 3.54 / 4.00 (1.6 in German system)

Ankara, Türkiye

Sep 2018 – Jan 2024

METU

B.Sc. Mechanical Engineering (additional coursework)

Ankara, Türkiye

Oct 2021 – Oct 2024

Universität Münster (WWU)

ERASMUS+ Exchange

Münster, Germany

Apr 2022 – Sep 2022

İzmir Atatürk Lisesi

High School Diploma, GPA: 88.75 / 100

Izmir, Türkiye

2014 – 2018

Salihli BİLSEM

Senior-Schüler, Senior Student: Physics, Chemistry, Geography

Manisa, Türkiye

2008 – 2015

Work Experience

Beko Global (previously Arçelik Global)

R&D Engineer

Istanbul, Türkiye

Aug 2023 – Nov 2024

- Building optical systems/sensors for the detection of biological aerosols and particulate matter
- Simulation and design of lighting systems, reflectors, etc.
- Literature review and patent applications

TÜBİTAK Uzay

Research Scholar

Ankara, Türkiye

Jun 2023 – Sep 2023

- Research on viscosity of various types of fuel (without combustion)
- Collaboration with Axiom Space
- Worked on particle image velocimetry using MATLAB

MKE A.Ş.

Summer Practice

Ankara, Türkiye

Jun 2023 – Jul 2023

- Observed various manufacturing techniques employed in the defense industry (specifically cartridges)

Department of Physics, University of Münster

Praktikum

Münster, Germany

Aug 2022 – Aug 2022

- Programmed various subroutines with LabVIEW
- Analyzed waveforms and Fourier transformations
- Prepared a comprehensive 30+ page protocol

Preply

Physics Tutor

Sep 2020 – Jan 2021

- Assisted over 20 students with their national and/or entrance exams
- Implemented specialized curriculums for students
- Motivated many students and families

Further Skills

Technical Skills: Over 3 years of lab experience in general physics, general chemistry, material physics and optics labs.

Programming & Software: MATLAB, Python, GCODE, LabVIEW, LaTeX, MS Excel, LTSpice, Siemens NX

Languages: English (Full Fluency), Turkish (Native), German (Beginner)

Honors & Awards

2019–2023: High Honors Student, METU, Ankara, Türkiye

2012: First Lego League Challenge – Her Şeye Rağmen Award, Ankara, Türkiye

References

"Available upon request."