

# EREN KARAMAN

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Çorlu, Tekirdağ, Türkiye

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## ABOUT ME

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I am a mechanical engineering student at Trakya University, with a strong interest in production technologies, product design, and digital systems. I have hands-on experience using AutoCAD and SolidWorks for technical drawing and 3D modeling. I enjoy working collaboratively in teams and adapting to new challenges. I plan to improve myself by learning tools such as MATLAB, Simulink, and Python to expand my skills in data analysis and automation. I am eager to contribute to BSH's innovative and international projects with my open mindset and willingness to improve.

## EDUCATION

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- Trakya University – Bachelor's Degree in Mechanical Engineering (2021 – Present)

- Çorlu Ticaret Borsası Anatolian High School Graduation Year: 2021

## EXPERIENCE

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**Burak Aluminium – Tool & Die Department, Mandatory Summer Internship**  
| 2025 – Present

Participating in mold production operations within a 15-person team in the tool and die department. Supporting mold assembly, dimensional checks, and technical drawing interpretation while currently gaining technical knowledge of part fitting, tolerances, guide pins, ejector plates, and cavity components.

**Waiter – Seasonal Work** | summer 2023 – summer 2024

Provided service to customers in a fast-paced environment; improved communication and teamwork skills through daily operations and direct interaction.

## PROJECTS

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**Thermal System Design – Data Center Waste Heat Recovery**  
Edirne, Türkiye | May 2025

Developed as part of a 5-member team, this project involved designing a sustainable thermal recovery system using a counter-flow plate heat exchanger to reclaim waste heat from a data center, with efficiency calculations and SolidWorks-based visual modeling conducted as individual responsibilities while demonstrating strong collaboration within the group.

**AI with Bullet-Proof – Concept Development**

Tekirdağ, Türkiye · 2024 Planned the development of “AI with Bullet-Proof,” a machine learning-

based safety assistant concept integrating real-time object detection and impact-resistant systems, temporarily postponed due to budget limitations and lack of sufficient equipment.

## **SKILLS**

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- Familiarity with CNC operations and measurement equipment
- Proficiency in SolidWorks and 3D part/assembly modeling
- Experience in 2D drafting using AutoCAD
- Awareness of occupational safety and quality procedures
- Capability to perform LMTD-based heat exchanger calculations
- Advanced skills in Microsoft Office programs (Excel, Word, PowerPoint, Outlook)
- Ability to adapt to new tools and technical tasks
- Plan to improve skills by learning MATLAB, Simulink, and Python
- Ability to interpret technical drawings and dimensional tolerances
- Confidence in working in industrial environments with discipline
- Willingness to learn and improve continuously
- Strong communication and collaboration in team-based projects

## **LANGUAGES**

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### **English**

- Reading: Advanced
- Writing: Advanced
- Speaking: Upper-intermediate