

# Berat Erkan ELCELIK

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## Education

### UNIVERSITY OF BREMEN

[Click for website](#)

M.Sc., ARTIFICIAL INTELLIGENCE  
AND INTELLIGENT SYSTEMS  
Oct 2024 - currently / Bremen,  
Germany

### ANKARA UNIVERSITY

[Click for website](#)

B.S., COMPUTER ENGINEERING  
Sep 2018 - June 2023 / Ankara, Turkey  
GPA: 3.76/4

### NAZILLI ANADOLU LİSESİ

[Click for website](#)

HIGHSCHOOL

Aug 2014 - June 2018 / Aydin, Turkey  
Grade: 86,86/100

## Links

[GitHub](#) **beraterkanelcelik**  
[in](#) **beraterkanelcelik**

## Coursework

Data Science  
Artificial Intelligence  
Machine Learning

## Skills

### PROGRAMMING

Python • C/C++ • HTML/CSS •  
JavaScript • SQL

### CLOUD

Azure • AWS

### ARTIFICIAL INTELLIGENCE

Machine Learning • Reinforcement  
Learning • EDA • NLP

## Languages

Turkish (Native)  
English (C1)(IELTS 7/9)  
German (A2)

## Experience

### FULL TIME - SOFTWARE ENGINEER/ DATA SCIENTIST

TURKISH AEROSPACE INDUSTRIES

[📅](#) Aug 2023 – Oct 2024

[📍](#) Ankara, TR

- I took part in the development of both the software framework, web-supported interface, and artificial intelligence algorithms of the CGF project, which was developed to enable aircraft to fly autonomously. I used vue.js in the web part and python/c++ in the software framework. I mostly used reinforcement learning in artificial intelligence algorithms. I also did reward engineering to train aircraft using these algorithms. I did multi-agent and single-agent trainings.

### LONG TERM INTERN - ARTIFICIAL INTELLIGENCE ENGINEER

TURKISH AEROSPACE INDUSTRIES

[📅](#) Dec 2022 – Aug 2023

[📍](#) Ankara, TR

- Using machine learning algorithms, anomaly detection on Time series data.
- By reward engineering, I ensured that the aircraft fulfilled the desired tasks.
- Developed a reinforcement learning algorithm using the TD3 structure, enabling the aircraft simulation training.

### WEB DEVELOPMENT INTERN

MILSOFT

[📅](#) Aug 2022 – Sep 2022

[📍](#) Ankara, TR

- Developed a frontend using react for the already written chat application.

### WEB DEVELOPMENT INTERN

ASELSAN

[📅](#) Jun 2022 – Jul 2022

[📍](#) Ankara, TR

- Designed a web application that generates digital certificates using MVC structure
- Used Microsoft SQL server as a database.

## Recent Projects

### MACHINE LEARNING PROJECT

STUDENT PERFORM ESTIMATOR

[📅](#) July 2023

[📍](#) Ankara, TR

A project under the University of Leeds to analyse data from 2008 to 2015 and discover patterns in the data such as trends, co-relations, probabilities, and used tools such as matplotlib, Pandas, and Seaborn for data visualization.