Bora Ceylan

Bioengineering & Computer Engineering Student

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Summary

Bioengineering and Computer Engineering student at Marmara University, motivated to improve and learn through hands-on experience. Passionate about bioinformatics and eager to develop strong skills in data-driven research. Open-minded, collaborative, and confident in communication and critical thinking. Keen to take part in projects where I can contribute, grow, and gain real research experience.

Experience

07/2025 – 09/2025
Copenhagen, Denmark

Novo Nordisk Foundation Center for Basic Metabolic Research (CBMR)
Research Intern
Completed an Erasmus+ research traineeship at CBMR, working on large-scale GWAS datasets, performing data harmonization, LD clumping, and computational analyses to investigate adipose-related and cardiometabolic traits.

04/2025 – Present

TÜBİTAK
2209-A Project Leader
This project focused on getting a general overview of miRNA expression in LUAD, looking at broad patterns and highlighting clinically relevant signals. Statistical analyses, machine learning and feature-selection approaches were used to identify which miRNAs stood out as potential biomarkers.

02/2024 – 06/2025

TÜBİTAK
Undergraduate Research Fellow
Initially supported through the TÜBİTAK STAR program and later funded as a project fellow, xylanase genes from thermophilic Geobacillus strains were analyzed using BV-BRC and MicroScope, gene annotations were refined, conserved motifs were examined, and cross-genome comparisons were performed to identify promising enzyme candidates.

08/2023 – 09/2023
İstanbul, Türkiye

TarLab Biotechnology
Research Intern
Conducted research on the effects of nanoparticles on plant stress responses and their potential use as fertilizers. Measured stress levels using biochemical markers such as proline secretion and antioxidant enzyme activities. Utilized computational tools like ImageJ for leaf area analysis to support experimental evaluations.

05/2022 – 06/2023
İstanbul, Türkiye

Marmara University Bioengineering Society (BIYOM)
Secretary-general
Participated in interviewing prospective members during the society's acceptance process to ensure a good fit with its goals and values. Assisted in reaching out to potential speakers and establishing greements for events. Supported the society by contacting companies to discuss and secure sponsorship opportunities.

Education

10/2024 – 02/2025
Hessen, Germany

Bsc Industrial Engineering
Technische Hochschule Mittelhessen
Erasmus+ exchange in Industrial Engineering with coursework in LCA, Industrial Ecology, Process Capability Analysis, and data analytics.

| 09/2022 | **Bsc Computer Engineering** |
| İstanbul, Türkiye | Marmara Üniversitesi |

| 2020 – 2025 | **Bsc Bioengineering** |
| İstanbul, Türkiye | Marmara University |

Top Skills

- Python
- C
- Machine Learning
- R
- Problem Solving
- Matlab
- Analytical Thinking

Languages

Turkish ● ● ● ● ●   English ● ● ● ● ○

German ● ● ○ ○ ○   Danish ● ○ ○ ○ ○

Interests

- Solo & Group Travelling
- Historical documentaries
- Cooking
- Video games
- Boxing
- Volunteering

Certificates

The International Symposium on Health Informatics and Bioinformatics (HIBIT) 2025
Certificate of Attandance and Poster Presentation

Young Executive Academy
A certificate program that aims to train young entrepreneurs.

Biotechnology and Genetics Society Biotechnology Conference
A certificate from a summit called "Biotechnology Conference" at Yıldız Technical University