Hasim Zafer Cicek

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EDUCATION

Hacettepe University — Ankara, Turkey
Bachelors in Computer Science — *Oct. 2019 – Jun. 2024*

Taken Courses: Machine Learning, Deep Learning, Database Management Systems, Computer Vision, Fundamentals of Blockchain, and Information Security.

EXPERIENCE

Software Engineer Intern — Gebze, Turkey
TÜBİTAK (The Scientific and Technological Research Council of Turkey) — *Aug. 2023 – Sept. 2023*

- Enhanced the Submarine Warfare Management System by developing a user-friendly GUI and data visualization components using **C++** with **Qt** and the Qwt library.

Front-End Engineer Intern — Ankara, Turkey
Turboard — *June 2023 – Aug. 2023*

- Improved application performance by identifying and fixing **12** critical software bugs.
- Used **Vue.js**, framework and **TypeScript** and **JavaScript** programming languages.

PROJECTS

Student E-commerce Platform with Virtual Currency

- Designed for students to share or sell goods within their community with a teammate. It functions like a forum-based e-commerce system with a virtual currency for bidding and transactions. Students can list items, browse listings, participate in auctions, and communicate with each other.
- Mostly worked on User Management and Bidding System. Developed over 30 Functionalities and used **Postman** for **Unit Testing** . Used **Python**'s **Flask** library for back-end **Jinja** library for front-end and **PostgreSQL** for database.

Sends.email (An Innovative Email Website)

- Designed to enhance user experience and productivity by addressing common challenges in email management. Worked with 3 teammates.
- Found **19** Innovative ideas can be developed. Developed AI-Assisted Message Summarization, AI-Driven Response Suggestions and CRUD operations for emails on backend side. Used **Springboot** with **Java**.

LEADERSHIP AND ACTIVITIES

Problem Setter
Algoleague — *June 2023 – Present*

- Improved problem set accuracy by validating test cases for **72** problems.
- Enhanced solution comprehension by creating comprehensive editorials for **39** problems.
- Created **14** problems from scratch.

Volunteer Instructor - Algo101 and Algo102 — Ankara, Turkey
ACM Hacettepe — *Oct. 2023 – Apr. 2024*

- Facilitated fundamental data structures and algorithms classes, engaging students in problem-solving events and mini-contests to foster a competitive learning environment.
- Initiated and maintained a regular feedback mechanism through anonymous forms and face-to-face conversations to enhance teaching methods and class content.
- Extended the Algo101 course from its initially planned 7 weeks to 8 weeks due to popular demand. Responding to continued interest, initiated the development of Algo102, an additional 8-week course.

Huprog Senior Team Lead
ACM Hacettepe — *June 2022 – June 2023*

- Increased overall participation by **10%** by leading the team in organizing the successful competition. **HUPROG 2023** contest.
- Fostered a stimulating learning environment by producing **4** competition and **4** homework questions.