Ersel Hengirmen

Personal Information	**Github:** github.com/e-hengirmen **E-mail:** hengirmen.ersel@metu.edu.tr **Linkedin:** linkedin.com/in/ersel-hengirmen/ **Phone:** +90 538 547 4014

Education

Bachelor of Science – Computer Engineering (3.7/4.0)   Expected: July 2023
Middle East Technical University, Ankara, Turkey
I am a 3rd-year Computer Engineering Student at METU. METU is a highly competitive technical university with a rigorous amount of coursework and some of the best students in the country. I have a CGPA of 3.7/4.0, and my CGPA in departmental courses is 3.87/4.0.

Work Experience

Research Intern, METU Computer Engineering Dept.   2021 July - 2021 October
- Worked on and created multiple linear programming based approximations to ATM Cash Replenishment Optimization Problem's generalized version for multiple ATM's.
- Worked on and created an Integer Programming Model for the generalized problem.
- Compared the results of the research with previously generated Genetic Algorithm solutions by recreating the Genetic Model.
- Tried the problem with different Crossover and Mutator functions to see improvements in the Genetic Algorithm.

Consultant, METU Career Planning Application and Research Center   2020 December - 2021 March
- Helped design their career fair site (https://kariyerfuari.metu.edu.tr/) according to METUCPC's specifications
- Helped maintain it before and after their career fair event.

Projects

Huffman Coding

- Basic C++ file archiver and archive extractor programs based on Huffman's lossless compression algorithm and its decompressor. Source code is avaliable on Github.

Volunteer Experience

Mentor, METU CENG Peer Mentorship Program   2021 October - Present
Board Member, METU Computer Club   2020 August - 2021 August
Supervisory Board Member, METU Computer Club   2021 August - Present
METU CCLUB is a technical student club aiming to form a community for students interested in computer science. I have attended and organized multiple club events both in my time as a member and as a board and supervisory board member. For two years, I also organized and wrote competitive programming questions for METU CCLUB's annual programming contests KODTU(university-wide) and PY(nation-wide).

Programming Languages

C++, C, Python, Assembly(x86-64), Haskell

Languages

Turkish: Native,
English: Proficient

Awards & Honors

Oyun 2013 (1st place), **Oyun 2010** (3rd place)
Turkish Intelligence Foundation's (TZV) annual brain teaser competition. Competing in these contests helped me look at algorithms from different perspectives. They also improved my problem-solving skills.

Hobbies

Brain Teasers, Table Tennis, Billiards