

Asli Kocak

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<https://asli-kocak.github.io/portfolio/>

EDUCATION

Tufts University

May 2024

Bachelor of Science in Computer Science; Co-Major in Science Technology Society Studies.

GPA: 3.75

Relevant Courses: Computing for Developing Regions, Cultures of Computing, Computer Graphics, Engineering Psychology, Algorithms, Statistics for Behavioral Sciences, Web Programming**, Computer Interface Design**

SKILLS AND INTERESTS

Programming Languages: C++, C, HTML, CSS, Python, Arduino, R

Software: Figma, Microsoft Suite, Praat, ClanC

Languages: Turkish (Native), Spanish (Beginner)

Interests: Painting, Illustration, Digital Art, Dance, Students of Turkey

EXPERIENCE

Machine Structures and Programming (CS40), Tufts University

Teaching Assistant

Sept. 2022 – Present

- Guide students in the class during weekly office hours by answering question about challenging course material, and assist in homework problems by identifying errors and debugging memory and pointers in C.
- Grade students design documents (including program architecture and testing plans).

Avidyne Corporation, Concord Massachusetts

Intern

May – July 2023

- Developed a logbook for the ARINC API, translating complex technical documentation into C and C++ code.
- Gained experience in multi-threaded environments, parallel processes, and debugging tools.
- Leveraged GNU debugger and other specialized software tools to optimize code quality and performance.

Center of Engineering Education and Outreach, Tufts University

Intern

June – August 2022

- Collaborated with a team of interns, graduate student researchers on a project that is aiming to decrease the barrier of entry to robotics by developing trainable Spike Prime robotics kits using machine learning.
- Developed prototypes of interfaces on various displays using Python and Arduino, evaluated feedback from users.

Urban Attitudes Lab, Tufts University

Research Assistant

Nov. 2021 – Feb 2022

- Performed video conversions for research investigating how humans interact with art in the urban environment using eye tracking software, and analyzed the results using R.

ACTIVITIES

JumboCode

Designer

Sept. 2023 - Present

- Responsible for designing a website interface for Casa Myrna's (a local NGO) internal shift by talking to the client, conducting user research, collaborating with student developers, project manager, tech lead over the span of a year.

Tufts Daily (Student Newspaper)

Graphic Designer, Graphics Team Executive

Feb. 2021 - Present

- Created graphics [for various sections and designed ads for recruitment and event promotions](#) of the Tufts Daily.
- Lead weekly meetings and other bonding and training events, and assigned and managed the team of 10 students.

Woman in Technology (WIT)

Speakers Team Member and Moderator

June 2021 – Present

- Networked with women and non-binary people in technology fields using LinkedIn and email to recruited speakers.
- Moderated "Tech for Non-CS Panel" of 3 and "UI/UX and Product Management" delivered by two speakers.

PROJECTS

Health Connect (Class Project)

Group Project

Feb – May 2023

- Developed a Twilio API-powered phone health application as a proof of concept for its use in developing regions with limited access to hospitals utilising ChatGPT, iteratively testing it on theoretical users throughout.

Image Compression (Class Project)

Pair programming in a group of 2, work was equally split.

April 3, 2022

- Created a C program that takes a PPM image and performs lossy image compression by transforming color spaces, utilizing bit packing which was also implemented by us.