

DENIZ GUNER

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Cambridge, MA, 02139

EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

Bachelor in Computer Science

May 2025

- GPA: 5.0
- Relevant Coursework: Programming (Python), Discrete Math, Data Structures and Algorithms, Software Construction, Computer Architecture, Linear Algebra, Calculus (I-II).

EXPERIENCE

Duolingo

Software Engineering Thrive Intern | *Python, TypeScript, DynamoDB, API design*

June 2023 – August 2023

- Implemented a community quest feature on Duolingo that enables users to support non-profit organizations by completing lessons, driving user engagement and social impact.
- Spearheaded the design and implementation of a complex DynamoDB database for project backend.
- Utilized state-of-the-art engineering techniques to design and implement a contemporary frontend, along with a robust and adaptable backend system.
- Assumed leadership responsibilities, ensuring timely project completion and fostering team cohesion.

Python programming Class

Lab Assistant

September 2022 – May 2023

- Assisted students in class of 400 students in completing programming lab projects by debugging their Python code and imparting best practices in Python.
- Partook in developing class for future semesters by pre-testing and giving feedback on experimental assignments and exams.

PROJECTS

Drag and Drop Poster Creator | *Python, TypeScript, Git, Canvas*

August 2022 – April 2023

- Created and distributed a user-friendly drag and drop poster creation program using Python and TypeScript.
- Enabled 9 school clubs across two colleges to create 17 unique posters during the spring 2023 semester.
- Scaled the program to accommodate the needs of multiple clubs, resulting in a 200% increase in user adoption over 2 months.

C Clone Compiler and simple OS | *C, x86 Assembly, Python*

February 2023 – May 2023

- Developed a C clone compiler using C, x86 Assembly, and Python.
- Implemented lexical analysis and parsing techniques to handle the conversion of source code into an abstract syntax tree (AST) using Python.
- Created console based OS using compiler to run simple text-based programs such as hang man, tic-tac-toe, and a calculator.

LEADERSHIP

Turkish Student Association

President

February 2022 – Present

- Ran fundraisers on campus that raised 34,723\$ for earthquake victims in Turkey.
- Founded an orientation program to assist freshman Turkish students in adapting to academic and social life in the US, mentoring 2 students to date.
- Organized cultural food nights on campus to promote Turkish culture, attracting over 100 attendees.

SKILLS

Programming Languages: Python, TypeScript, JavaScript, C, C++, Julia.

Frameworks: React, Angular.

Technologies: VS Code, GitHub, Git, Github CoPilot, DynamoDB, Spyder, Jupyter, Latex.

Design and Development: Software development, Software Systems, User interfaces, Object oriented design, Software testing and debugging, Algorithms, API design.

Languages: English (Fluent), Turkish (Native).