

Demir Ince

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Education

UC Santa Barbara Computer Science, GPA: 3.4

- Expected Graduation: 2026
- International student from Turkey.
- Taken courses in programming with Python, C++, Java, and JavaScript, Assembly, theory of computation, algorithms, data structures, scientific computing, working with legacy code bases, web development, academic writing, calculus, linear algebra, artificial intelligence, physics, and more.

Experience and Projects

Sahibinden.com, Intern

07.2019 -
08.2019

- Was part of the AI/ML team and worked on custom machine learning models.
- Experienced the working environment of a large tech company.

Python Tutor

09.2024 -
Current

- Providing beginner one-on-one sessions to students.
- Assisting students with Python syntax and programming intuition.

Personal Website, Project

2024

- Created a personal website based on an open source template
- Meant to serve as a portfolio and online resume
- Tools: React, TypeScript, Vercel

Enigma, Personal Project, Ongoing

2024

- Working on an Enigma Machine simulator that will include a functional Enigma Machine with a GUI and various means of cracking codes.
- Currently supports an Enigma simulation with a command line interface.
- Tools: C++

Legacy Code Base, Project

2024

- Worked with a team to build on the work of a previous team.
- Website that allows instructors to create and students to join courses.
- Full-stack application with a React frontend, a backend, and a database.
- Tools: React, Java, JS, Dokku, PostgreSQL

Scrypt, Project

2023

- Worked with a team to build a Python-like programming language.
- Included functionality such as variables, if/else, loops, and functions.
- Tools: C++

Asteroids, Project

2023

- Worked with a team to create a game similar to Asteroids with a custom graphics engine in C++.
- Features include procedural generated backgrounds, and asteroid fields, a score system, rudimentary physics for acceleration and deceleration, and custom animations.
- Forked my own build that also supports character customization, and multiple enemy types.
- Tools: C++

Tracker, Project

2018

- Built a location sharing app similar to Life360.
- Included a web server and a MySQL database.
- Used Xamarin to have cross platform support on iOS and Android.
- Tools: C#, MySQL

Skills

Languages: C++, Python, Java, JavaScript, SQL, C#, HTML/CSS, Assembly

Other: Git, Unix Shell, PhotoShop, Video Editing