Mert Gerdan
mertgerdan.com

CONTACT
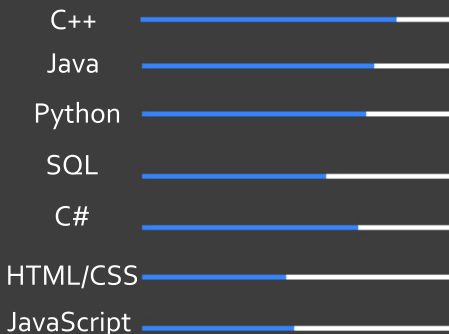
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EDUCATION

University of Michigan, 2020 - Present
College of Engineering, CS Major
Cumulative GPA: 3.86
Coursework: Data Structures, Algorithms, Discrete Mathematics, Linear Algebra, Multivariable Calculus

Hisar Schools, 2015 - 2020
Full Merit Scholarship
Cumulative GPA: 4.00
Coursework: 12 AP courses, 4.66/5 avg. score. 1540 SAT (2018), 8.0 IELTS (2018)

CS EXPERIENCE

- C++
- Java
- Python
- SQL
- C#
- HTML/CSS
- JavaScript

PORTFOLIO

AI Neural Style Transfer Slideshow

Minesweeper

Compound Interest Calculator

Plagiarism Detector

Maze Solver

PROFILE

Motivated and collaborative CS student, with a strong foundation in math and software development and previous internship experience, seeking a remote or in person internship for Summer 2021 to solve interesting problems. Passionate about data security and software development.

CAREER

Orthero, Software Engineering Intern — 06/2019 - 07/2019
- Prototyped and developed a 3D teeth modeling app in Unity for dentists to correct imperfections.
- Constructed an efficient pipeline for other programs to interact with the application and cut the execution time of the procedure from 2-3 business days to under 3 hours.
- Cut down the project timeline by 100% from eight months to four.

TA, Head Mentor / Official, Piwars Turkey — 2018-2019
- Brought Cambridge's Piwars Robotics competition to Turkey for the first time.
- Taught the basics of Python & Object Oriented Programming to 60 competitors.

Programmer, Animator, First Robotics Competition — 2016-2018
- Developed pathfinding programs to guide the robot autonomously during competitions using computer vision and various sensors (OpenCV, gyroscope, IMU, LIDAR, PID loops).
- Created animations promoting safety in the field using industry standard tools (Maya, After Effects, Premiere Pro).
- Qualified for Houston World Championships in 2017, won the Rookie All Star team award, the first ever from Turkey.

Group Leader, Microsoft Imagine Cup Turkey Finals — 2018
- Created a plagiarism detector with two classmates that compared an essay's paragraphs with one another using machine learning to determine whether some parts of an essay / work were plagiarized.
- Qualified for Turkey Finals out of 70 teams, got 4th place.

Organizer, Lecturer, Hisar Coding Summit — 2017-2019
- Gave lectures to 60 middle school - high school students on app development with Swift, Java & JavaFX.
- Gave an Artificial Intelligence and Machine Learning class to 8 high school - university students. (2018)
- Gave a lecture to a hall of 80 students on the history of AI and Applications of ML. (2019)