SAMEH FAZLI

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SKILLS

LANGUAGES: C, C#, C++, Python3, HTML, CSS, HTML5

TOOLS: GitHub, Git, Unity, Vim, Django, Visual Studio Code

PROJECTS

NERF SENTRY AI | Source   **Sept 2020 - Mar 2021**

- Automated Nerf gun project I built with 2 friends that combined the use of some servos, motors, a Raspberry Pi, camera, and a Nerf gun to develop a sentry turret that can automatically detect human faces and shoot on recognition.
- Implemented OpenCV AI Face Recognition by using Python Programming so that it would recognize targets that are in the scope of the camera.
- Created a Server and Client by using Python Library Tornado Websocket for the use of OpenCV AI Face Recognition so that it is able to optimize the frame rate of the camera.

CINEMA CENTER |Source   **May 2021 - July 2021**

- This Project demonstrates a website that has data such as movies and actors. The dataset analyzes the movie's year, title, etc and it also finds the actor's names, birth, death, etc. This project uses data from the IMDB dataset which has many important information for the movie and actors. For this project, the user and comment review data is stored in Firebase Database.
- Designed the Front-End portion of the website with my collaborators by using HTML and CSS. Configured the website to run within Docker.

REFLEX GAME | Source   **Jan 2020 - Mar 2020**

- Created an embedded system game project that will show 2 characters at different times on the LED matrix and the player has to remember those characters. It will demonstrate how fast the player can remember the characters that appear in the Matrix. The characters are in a random order such as 'A', 'B', X', 'Y', 'L', 'R' and the d-pad as well.
- Implemented in C Programming Language

YOUTUBE TRENDING VIDEOS | Source   **Sept 2020 - Dec 2020**

- This Project demonstrates youtube trending videos that have data such as which videos are popular between certain countries such as the United States and Germany. It also analyzes information about Youtube video data in other countries and how they compare with each other. This project uses data from 4 countries as the United States, Germany, Canada, and the United Kingdom.
- Designed the Front-End portion of the website with my collaborators by using HTML and CSS with the Framework Django.

EDUCATION

UNIVERSITY OF CALIFORNIA, RIVERSIDE, Bachelor of Science, Computer Science, June 2021

LOS MEDANOS COLLEGE, Associate in Science, Computer Science June 2018