

Cmpe 491

Senior Project



Project Name

3DifyMe

Project Supervisor

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Project Website

<https://hamza-emin.github.io/SeniorProject/>

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Project Description

The purpose of this project is to create an application which converts 2D video to 3D video. Also, we will do this conversion in real time. Our application will take a camera as an argument, and it will process this argument with our special functions, then it will produce the output video. In the end, users will be able to see the comparison of both input and output video. Also new features can be implemented according to the flow of this project.

For our project, we plan to use a combination of advanced technologies to achieve real-time conversion of 2D video to 3D. Primarily, we will utilize computer vision techniques, deep learning algorithms, and image processing techniques to achieve our goal. We have acquired knowledge on these topics through various lectures, and we are confident in our ability to execute this project successfully. While we have not yet decided on the programming language framework for creating the graphical user interface, we have experience with different frameworks, so this aspect of the project should not pose a problem for us.