

Individual Contribution [Ling Jin 22588158]

At the beginning of the project, I read introductions of all project topic we can choose and related articles. After discussing with team members and making a decision, I searched and read others' projects outlines and the datasets they used. Egohands dataset, dataset we got from course and VIVA can be used to train our models. In order to check the quality and feasibility of these datasets, I used these datasets and ran a online model to test the accuracy of result. Since pictures we got from course are too vague and the data from VIVA are too complex, we finally choose Egohands dataset. Next, my team members and I found a way and wrote script to convert images in dataset to csv format which contains box coordinates. For the coding, I wrote `real_time_hand.py` which loads the trained model, uses internal webcams to capture frames and then detects if hands are within the frame. Finally, I test the accuracy of our model with my team members. When preparing the presentation powerpoint, I collected the results, datasets, and problems we already had and met. In the final report, I wrote and parts named "Introduction and problem statement", "Dataset", "Software" and "Discussion and Conclusion".