

Milestones list:

- 1, Researching Milestone: It is basically do some research on Model and Algorithm. These should all done before I start build model.
- 2, Understanding Milestone: Understand some functions which will be used in my project.
- 3, Building Milestone: Build the main model and training and testing data.
- 4, Implementing Milestone: Implementing algorithm to detect object.

Timeline:

Task and Milestones	Start Date	Complete Date
Understand MobileNetV2 Model	10/10/2020	2/1/2021
Research on OpenCV	10/10/2020	2/1/2021
Research on VGG Model	10/10/2020	2/1/2021
Understand cv2.dnn.blobFromImage function	10/10/2020	2/1/2021
Research on Target detection frame	10/10/2020	2/1/2021
Research on Anchor mechanism	10/10/2020	2/1/2021
Research on SSD Model	10/10/2020	2/1/2021
Collect material for training set	12/1/2020	2/1/2021
Build MobileNetV2 Model for training data	2/1/2021	3/1/2021
Implement SSD Algorithm for detecting	3/1/2021	4/1/2021
Understand convolution operation	10/10/2020	2/1/2021

Matrix:

Task and Milestones	Start Date	Complete Date	Effort
Understand MobileNetV2 Model	10/10/2020	2/1/2021	Jiale Liu(100%)
Research on OpenCV	10/10/2020	2/1/2021	Jiale Liu(100%)
Research on VGG Model	10/10/2020	2/1/2021	Jiale Liu(100%)
Understand cv2.dnn.blobFromImage function	10/10/2020	2/1/2021	Jiale Liu(100%)
Research on Target detection frame	10/10/2020	2/1/2021	Jiale Liu(100%)
Research on Anchor mechanism	10/10/2020	2/1/2021	Jiale Liu(100%)
Research on SSD Model	10/10/2020	2/1/2021	Jiale Liu(100%)

Collect material for training set	12/1/2020	2/1/2021	Jiale Liu(100%)
Build MobileNetV2 Model for training data	2/1/2021	3/1/2021	Jiale Liu(100%)
Implete SSD Algorithm for detecting	3/1/2021	4/1/2021	Jiale Liu(100%)
Understand convolution operation	10/10/2020	2/1/2021	Jiale Liu(100%)