

#### Logbook

From: 20/09/2021 To: 25/10/2021

Month	List the main	Interaction with the supervisor			Any other form
	activities (only few	Number	Mode of	Number	of supervisory
	words per activity)	of	meeting	of emails	interaction
		meetings	(face- to-	exchanged	(second
			face, online		supervisor,
			e.g., Skype,		industry, fellows
			WeChat etc.)		etc.)
2021.9.	1. Talk the basic tasks	2	Email and	4	Work with
	of face detection		face to face		another student
	2. Installed the				who did the
	pycharm python				similar project
	language editor				with me Yuhua
	software and				Nie, and
	anaconda, build				discussed about
	Pytorch environment.				the task.
	3. Learn the basic				
	knowledge of deep				
	learning.				
2021.10.	1. Read essays about	3	Email and	6	Work with
	Faster-RCNN and		Wechat		another student
	YOLO, finally choose				who did the
	to use Faster-RCNN.				similar project
	2. Build simple CNN				with me Yuhua
	model and train the				Nie, and
	5x5 number				discussed about
	classification model				the task.



### 电子种技大学 格拉斯哥学院

Glasgow College, UESTC



## 电子科技大学

University of Electronic Science and Technology of China

Log book 1
2021. 9.20. Email contact with Prof. Q1, discussed the face first face-tir-face meeting
of the final year project. I prepared a lot for the meeting, searching for
some basic information about face detection and deep learning.
\$ 2011. 9.25. The first meeting with prof. Q;, after the communication, I understand
that in order to implement the object election, I need to understand
the basic deep learning algorithms, the da classic convolution nernal
network algorithm, the clux Factor-RCNN method and the YoLo method.
After the meeting I also followed tutor's advice and road some assays
about deep learning, and how to build the nether new neural nethork.
2021, 9.27. I contented a graduate student in Prof. Qi's lab, and she gave us
Some guidance of the instalt software installing and environment
<u>configuration</u> .
2021. 9.29. I finished the basic process of these project, the software Pycharm
was installed successfully and I have already installed the puckage
of language python. Also I instacted Anaconda, which contain
almost all per tools I need in the following research.



#### 电子种技大学 格拉斯哥学院

Glasgow College, UESTC



# 电子科技大学

University of Electronic Science and Technology of China

2021.10.2. I implemented the simple neural network with I layer as a
classifier. Then I learnt some basic functions, like the cross-entropy
function. Also, the gradient-descent with momentum a bysvithm
demonstrated the best performance.
2021. 10. 5. I watched some videos about the theory of the fact TRENN.
I learnt generally there are two ways, and two stage mother,
the two-stage method, or the YOLD. Some based on the Pytore
environment, and the other is based on tensor-flow. Finally I
decided to use Pytorch, for it is more flexible.
Language and the second of the
2021. 10.7. I read are an essay, Roal Time Object Detection and
Trucking Using Deep Lourning and OpenCV. Chandan G. Ayush Jain.
It used YoLo v.s network model and clid some image process, and
can reach 90% accuracy through visualization analysis.
2021.10.15. I contact with Prof. Qi and his graduate student with we chat,
chatting with the CMN model. After communication, I trained a
the help of trackproof back propagation method using mortlab.
the plant the state of

地址:成都市建设北路二段四号 高新西区西源大道2006号

邮政编码: 610054 (沙河校区) 611731 (清水河校区)