研一新生学习安排

力扣每日一题,要求数组、矩阵、字符串操作,每周不低于4道中等难度,要求python3解题,随周报提交结果

https://leetcode-cn.com/

每周提交周报,要求详细汇报每周学习情况,包括不限于力扣题目提交结果、深度学习笔记,共两阶段如下:

2022/4/4-2022/4/10 Python

1、Python基础

https://github.com/jackfrued/Python-100-Days

https://www.bilibili.com/video/BV1c4411e77t?spm_id_from=333.337.search-card.all.click

python基础不足的需学习,要求掌握:环境搭建、变量、运算符、分支、循环、列表(重点)、函数、对象等基础

对应GitHub中Day01-08内容(可根据掌握情况自行选择)

2022/4/11-2022/5/15 Deep Learning

1、Andrew Ng深度学习基础

https://mooc.study.163.com/smartSpec/detail/1001319001.htm



2、课后作业如下,随每章节完成

https://blog.csdn.net/u013733326/article/details/79827273



2022/5/16-2022/5/31 Paper (遇毕业答辩可推迟)

https://github.com/SnailTyan/deep-learning-papers-translation

Deep Learning Papers Translation(CV)

Image Classification

- AlexNet
 ImageNet Classification with Deep Convolutional Neural Networks 中文版 中英文对照
- VGG Very Deep Convolutional Networks for Large-Scale Image Recognition 中文版 中英文对照
- ResNet
 Deep Residual Learning for Image Recognition 中文版 中英文对照
- GoogLeNet
 Going Deeper With Convolutions 中文版 中英文对照
- BN-GoogLeNet
 Batch Normalization: Accelerating Deen Network Training by Reducing Internal Covariate Shift
 其中任选一篇论文精读并复现,月底抽签2名学生进行线上汇报