ZONGWU ZHAO

(+86)17694942798⋄ zzw17694942798@gmail.com

Email:gaintpython@163.com

Homepage:http://Zhaozongwu.github.io

EDUCATION

Tianjin Polyteachnic University   *Sep 2016 - Present*
BEng in computer Science(Elite Class of Artifical Intelligence)   GPA: 3.22/4.0
Computer Science and Technology

TECHNICAL STRENGTHS

Computer Languages	C, Java, Python, Html
Software & Tools	Dev-C++, Eclipse, Pycharm, Anaconda
Programing Framework	Pytorch,TensorFlow

RELEVANT COURSES

Core Courses

Operation System(92)	Computer Network(85)
Algorithms and Data structure curriculum design(93)	Data Mining(85)
Profession Comprehensive Practice(CV+NLP)(94)	Machine Learning(81)
Software Engineering(90)	Fundamentals of Compiling(87)
Python Programming Basics(90)	Major Internship(90)

RESEARCH INTERESTS

Computer Vision

Image Processing

Deep Learning

EXPERIENCE

TianJin DingSheng company   Oct.2019 - Nov.2019
Intern

· Organized by the Tiangong University.
· Based on the java syntax and successfully made student SSM login system. This system included the function of adding, deleting, correcting and researching. Also I make a convenient interface.

Elite Class of Artifical Intelligence   June.2018 - present
Student

· Organized by the Tiangong University.
· Studied machine learning course, computer vision course, Automatic Speech Recognition course and so on. I mastered some arithmetics, such as K-means,logistic regression, KNN and make projects about these algorithms.

PROJECT

Video Interpolation   Dec.2019 - present

· Organized by teacher Ke Chen.

· I use adobe240fps as the dataset and select U-Net as CNN layers, then do linear combinations and get a high frame rate video(Given two consecutive frames,Generate the middle frame) at last. I'm trying to understand the algorithm and researching the better method.

Image classification   Jul.2019 - Aug.2019

· Organized by Prof.Jianming Wang.

· We used pytorch framework to build Res-Net and did the classification experiment on cifar-10 and cifar100 respectively. Then We observed the accuracy of the test set, modified the model and achieved 94 accuracy at last.

Reinforcement learning-Robot maze   Jul.2019 - Aug.2019

· Organized by teacher Zuowei Wang.

· I Builded a gym environment for robots to walk the maze and used Qlearning method to realize robot maze(Gave initial state ,made use of Greedy strategy,got reward value and got next step action).Also I made a graph of whether the robot would come out of the maze.

Generation of vocabulary in English textbooks   Jul.2018 - Jul.2019

· Organized by teacher ke Chen.

· I used python synax to read English text and spilted some word grops.Then I used sort algorithm to sort it and got words in alphabetical order.I mstered some python syntax and improved my programming skills.