Pan Dongping

immortality428@gmail.com

Education

Southeast University
Bachelor Degree in Automation
GPA: 3.51 / 4.0
Nanjing, China
2015.09-2019.07

Nagoya University
Master Degree in Informatics
GPA: 3.84 / 4.3
Nagoya, Japan
2020.04-2022.03 (expected)

Links

Github:// **tomadoumono**

Coursework

Graduate

Image proprocessing
Intelligent system
data analysis

Undergraduate

Data Structure and Algorithms
Basic of C,C++
Python Programming
Computer network

Skills

Programming

Over 2000 lines

Python • C • C++

Less than 2000 lines

Java • Javascript • HTML • LaTeX

Tool | Framework

Beginner

Git • Docker • Markdown •
Node.js• Tensorflow• Keras

Prject

Generation and recognition of QR code
Project for programming lesson

2016 | Nanjing, China

- Recognition: Input the JPEG of QR code and the encoded information will be outputed.
- Generation: Use the information, error correction code, mask to calculate the matrix. Use opencv to depict this matrix in black and white squares.
- Experience: Find related materials of QR code; Teamwork with another 3 teammates.

Search for shortest route
Project for algorithm lesson

2016 | Nanjing, China

- Experience :Practiced A star algorithm, Depth first search, Breath first search and related searching algorithm.

Online annotation platform
Side project of master degree

2020.12 - present | Nagoya, Japan

- Project details: Use web development technics to make an online annotation platform. Doctors can mark on the images and the marks will be the label data for the images. It will increase the efficiency of annotation.
- Current goal: Fix the problem that no thumbnail will be showed when uploading a video.
- Language and tool: javascript, html, css.

Research

Classification of Rheumatism from X-ray images
The Master project

2019 - present

- Background: Rheumatism is usually diagnosed by MRI, but MRI is too expensive.
- Goal: Use machine learning to find the feature of rheumatism in X-ray images and use that information to support diagnosis.
- Method: Choose a binary classification network and try a lot of experiment parameters. Finally reached the recall of 70%.
- Visualization: Visualized the feature which leads to the classification by GradCAM.

Research progress

2020.9 Conference Paper
Preliminary Study on Classification of Hands' Bone Marrow Edema
Using X-ray Images.(The Japanese Society of Medical Imaging Technology(JAMIT2020))

2020.9 Patent
An X-ray image Analysis Tool for rheumatism

Awards

2016 Scholarship: World-leading Innovation and Smart Education Program (CIBoG)
2020.10 Superior pass of the Essentials of Technical Communication Online Program

Language

English TOEFL: 97/120 (2018.8) TOEIC: 970/990 (2020.10)
Japanese JLPT N1: 177/180 (2020.12)
Chinese Native