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Southern Medical University
1023-1063 Shatai Nan Road, Baiyun District
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EDUCATION AND QUALIFICATIONS

Southern Medical University (SMU)
Bachelor, Biomedical Engineering

Sept. 2019 – present

Overall GPA: **3.35/4**
Rank: **5/38**

RESEARCH EXPERIENCE

Intelligent Analysis of Histopathological Images in Inflammatory Bowel Disease

Huang Lab, Nanfang Hospital (SMU)

Main Researcher

June 2021 – July.2022

Independently designed and conducted experiments for the validation and optimization of a histopathological image classification system using deep learning.(Utilizing semi-supervised learning and pseudo labelling to solve imbalanced label volume in data set, Combined Transformer+MIL to link adjacent features between different instances)

Multi-Spectral Interlaced Sparse Acquisition Photoacoustic Tomography

Qi Lab, SMU

Assistant Researcher

April 2021 – July.2022

Participated in several photoacoustic tomography innovative technique analyses while identifying differences from absorption spectra of photoacoustic image sequences with multiple excitation wavelengths.

COMPETITION EXPERIENCE

The 9th "Teddy Cup" Data Mining Challenge (The Third Prize)

May 2021

First author

Including but not limited to compiling the competition materials, debugging the model of the network, and writing the paper.

Mathematical Contest in Modeling of SMU (The Third Prize)

Nov 2019

First author

Including but not limited to implementing the preliminary experiments, and preparing the documents and seminars.

AFTER-SCHOOL ACTIVITIES

The 6th National College Students Art Exhibition and Performance (National First Prize)

May 2021

Minister of clarinet in Orchestra

As a supervisor of clarinet department in college's orchestra, I assisted commander in the competition issues and coordinated orchestra's daily training, also, devoted to participating in various musical instrument competitions during my college career.

SKILLS

Experimental Technical Strengths: Skilled in algorithms and data structure; Good knowledge of Machine learning and Deep learning; Competent to conceive and perform experiments independently; Basic corresponding paper knowledge reserves in advanced field.

Programming Language: experienced in Python/Matlab, comfortable with C/C++/C#, etc.

Language Certification: CET-4,CET-6 (515).

MAJOR COURSES AND PERSPECTIVE

Major Courses: C++ Programming Language (97), Computer Networks (94.3), Data Structure (94), Principle & Application of Database (92.3), .Net Program Exploitation (89), Optimization Theory (87), Operating System Principles (85.5), Algorithm Analysis (85), Pattern Recognition (85), etc.

Perspective: Medical Imaging Analysis, Image Registration,Computer-Aided Diagnosis (CAD).

HONORS AND AWARDS

Third-Class Student Scholarship of SMU	2020-2021/2021-2022
Outstanding Student of SMU	2020-2021/2021-2022
Outstanding Campers of SMU's Summer Camp	2023
Outstanding Undergraduate Graduation Thesis of SMU	2023
Outstanding Graduates Nomination of SMU	2023