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## EDUCATION AND QUALIFICATIONS

**Southern Medical University (SMU)**  
Bachelor, Biomedical Engineering

**Sept. 2018 - July. 2022**

Overall GPA: **3.35/4**

## 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 9<sup>th</sup> "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 2018**

*First author*

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

## AFTER-SCHOOL ACTIVITIES

**The 6<sup>th</sup> 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	2019-2020/ 2020-2021
Outstanding Student of SMU	2019-2020/ 2020-2021
Outstanding Campers of SMU's Summer Camp	2021
Outstanding Undergraduate Graduation Thesis of SMU	2022
Outstanding Graduates of SMU	2022