

# Ziyang Zhou

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## EDUCATION

### XJTLU INFORMATION AND COMPUTER SCIENCE

2022-2026 | Suzhou, China

Cum. GPA: 3.7 / 4.0

## EXPERIENCE

### XJTLU | ACOUSTIC SCENE CLASSIFICATION

Jan 2025 – Now | SIP, Suzhou

- Preparing for DCASE 2025 Challenge Task 1

### XJTLU | ACCENT RECOGNITION

Sep 2024 – Jan 2025 | SIP, Suzhou

- Conducted in-depth research on audio signal processing techniques to study and analyze various audio characteristics with HuBERT and Librosa.
- Applied advanced methodologies including pre-trained HuBERT embeddings for accent classification, leveraging data augmentation and contrastive learning to improve model generalization.
- Contributed to the preparation of research papers for publication and maintained comprehensive documentation of methodologies and results.

### XJTLU | SYNTHETIC MUSIC DETECTION PROJECT

June 2024 – Sep 2024 | SIP, Suzhou

- Utilized Vision Transformer (ViT) models to create a system for identifying synthetic music.
- Gained and applied advanced insights in machine learning and audio analysis techniques by transforming audio into MFCCs.
- Designed and presented a project poster to effectively communicate research findings.

## ACHIEVEMENTS

### LANQIAO COMPETITION | JAVA PROGRAMMING NATIONAL THIRD PRIZE

June 2024 | Nanjing

- Competed in a national-level algorithm competition, solving complex programming challenges using Java.

### MATHEMATICAL CONTEST IN MODELING (MCM/ICM) | S PRIZE

Jan 2024

## SKILLS

### TECHNICAL

Programming: Python, Java, C/C++

Technologies: Git/Github, Linux, MySQL, Operating Systems

### COURSEWORK

Machine Learning, Deep Learning, Audio Signal Processing, Algorithms, Data Structures, Graphics

## SCHOOL WORK

**MOVIE CLUB** HEAD OF MUSE DEPARTMENT

**STUDENT CLUB SERVICE CENTER** COUNCIL SUPPORT CENTER

## LINKS

Github:// [ZiyangZhou](#)

HomePage:// [azhou0.github.io](#)

LinkedIn:// [ZiyangZhou](#)