

(resume in English)

Xiaoyu Wang

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EDUCATION

2023.1 – **Ph.D** **University of Wisconsin-Madison**
Biological Systems Engineering

2017 – 2021 **Bachelor** **Xi'an Jiaotong University**
Computer Science and Technology

EXPERIENCE

2021.4 – 2022.4 **Internship** **Microsoft Research Asia**, supervised by **Xiangyu Kong** and **Xiulian Peng**
Research on Audio front-end processing: Speech Separation and Enhancement

2020.9 – 2021.3 **Internship** **Sensetime**, supervised by **Tao Ma** and **Yikang Li**
Work on autonomous driving system, sensor calibration algorithm and train deep learning model

2020.6 – 2020.9 **Remote Summer Intern** **Nanyang Technological University**, supervised by **Tao Bai** and **Jun Zhao**
Research on Adversarial Example and Federated Learning

2019.1 – 2019.9 **Research Assistant** **College of Artificial Intelligence, XJTU**, supervised by **Jinjun Wang**
Research on distributed GAN

2019.6 – 2020.2 **Internship** **INNNO**
do some projects about remote sensing, semantic segmentation and change detection

2017.10 – 2018 **Research Assistant** **Xi'an Jiaotong University**, supervised by **Jinsong Han**
Research on computer security and deep learning

PUBLICATION

2022 **MULTI-MODAL MULTI-CORRELATION LEARNING FOR AUDIO-VISUAL SPEECH SEPARATION**
[\(link\)](#)
Xiaoyu Wang, Xiangyu Kong, Xiulian Peng, Yan Lu **Accepted by Interspeech 2022**

2021 **A data-free approach for targeted universal adversarial perturbation** [\(link\)](#)
Xiaoyu Wang, Tao Bai, Jun Zhao **Accepted by SciSec 2021**

LANGUAGES

English
GRE: 155+166+3
TOFEL: 94(S 20)

AWARD

third class award of Xi'an Jiaotong University(GPA 20%)

PROGRAMING LANGUAGE & SKILL

(Proficiency from top to bottom)

python:

anaconda

C++:

cmake; docker

LaTeX:

overleaf

Shell

CUDA C:

cuda; cublas

matlab

TOOL

(Proficiency from left to right)

Coding:

ubuntu; git

Deep Learning:

pytorch; tensorflow; TensorRT

Computer Vision:

opencv

Slam:

pcl; ros

Audio:

librosa; asteroid; ffmpeg; Kaldi