# (resume in English)

# Xiaoyu Wang

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## EDUCATION

| 2017 – 2021 | **Bachelor**<br>Computer Science and Technology | **Xi'an Jiaotong University** |
|---|---|---|
| 2023.1 – | **Ph.D**<br>Biological Systems Engineering | **University of Wisconsin-Madison** |

## 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 universaladversarial 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 LANGUEGE & SKILL

(Proficiency from top to bottom)

**python:**

anaconda

**C++:**

cmake; docker

**LaTeX:**

overleaf

**Shell**

**CUDA C:**

cudnn; 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