Jinhong Lin

+1 608-770-7849
jlin398@wisc.edu
https://jonneslin.github.io/

EDUCATION

University of Wisconsin Madison
Research Master Degree in Electrical & Computer Engineering *Sep. 2023-Now*
- GPA: 4.0/4.0

University of Wisconsin Madison
BS Undergraduate Degree in Computer Science *Sep. 2021-June. 2023*
- GPA: 3.966/4.0

EXPERIENCE

University of Wisconsin Madison Madison, United States
Research Assistant *Dec. 2023-Present*
- Advisor: Prof. Pedro Morgado
- Research Project: Accelerating Self-Supervised Learning

Ling Tu ShenZhen, China
Machine learning engineer Intern *Summer 2023*
- Deployed a diffusion model for 'Model Clothing Change', generated high-quality images, and deployed the model online.

Beijing Language and Culture University Beijing, China
Research Student *Oct. 2020-Sep. 2021*
- Paper: "A full text-dependent end-to-end mispronunciation detection and diagnosis with easy data augmentation techniques."
- Advisor: Prof. Dengfeng Ke

TEACHING

- **ECE/COMP SCI/ME 539: Introduction to Artificial Neural Networks**
  - Role: Teaching Assistant
  - Duration: Fall, 2023
- **COMP SCI 540: Introduction to Artificial Intelligence**
  - Role: Peer mentor
  - Duration: Spring, 2021

SELECTED PROJECTS

- **Deploying computer vision-based electronic pianos on edge devices**
  - The piano captures pictures with a camera, which is processed by a Raspberry Pi, and plays the sound with a speaker.
- **AutoDrive Challenge**
  - The project is designed to achieve Level 2 autonomy in vehicles, enabling them to operate independently in relatively complex situations. This initiative is being funded by General Motors and the Society of Automotive Engineers (SAE).
- **Mispronunciation Detection**
  - The project's objective is to utilize Connectionist Temporal Classification (CTC) and self-attention techniques for the detection of mispronunciations.

SKILLS

- **Programming Languages** - Java, Python, Julia, Shell, Mathematica, C/C++, MATLAB, R
- **Framework** - PyTorch, Kaldi, Scikit-learn, OpenCV, Hadoop
- **Software** - Photoshop, Illustrator