

LEYI YU

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🎓 EDUCATION BACKGROUND

Case Western Reserve University, Cleveland, Ohio 09/2023 – till now

Master Computer engineering

Nanjing University of Information Science and Technology, Nanjing, JiangSu 2018 – 2022

Bachelor Computer Science

PROJECT EXPERIENCES

Modification of image reconstruction with diffusion models from human brain activity 09/2023 – 12/2023

research project

Paper reading and use knowledge of human vision(human brain fMRI dataset) to make generative models generalizable

- High-quality image reconstruction results
- Models generalize well and do not require targeted tuning
- Data augmentation and model structure adjustment and replacement

Exploring the interplay of implicit bias and perceived gender on human-robotic interactions 09/2023 – 12/2023

research project team work

HRI experiment based on the baxter robot

- Responsible for the robot's voice modality and experiment procedure
- Self-study ROS during the project

National Student Innovation and Entrepreneurship Program 09/2019 – 06/2021

research project team work

Development and design of an ocean wave buoy based on a parallel piezoelectric six-dimensional acceleration sensor

- **Personal acquired patent:** Alarm devices for detecting contamination of buoy sensors
- Buoys can be tracked, recovered, and reused while the cost is lost.

Design of lie recognition system based on audio and video modalities 09/2021 – 06/2022

graduation project personal work

Multi-model system based on Xception network and Self-designed CNN network

- Use MFCC to convert audio into images and then use CNN for processing
- In the feature fusion stage, an emotional state conversion feature was innovatively designed.

INTERNSHIP

iFlytek Co., Ltd Hefei 12/2020 – 03/2021

Front-end development

- Participate in wechat marketing activities, responsible for the front-end knowledge framework of design. Cooperate with back-end personnel to complete interface interconnection and assist testers with process testing and bug fixing

Software development

- Responsible for development of the remote authentication function for the purchase of financial products by user accounts on the mobile app platform and processed large amount of user data.

REWARD

Second Prize in the University Programming Competition

Second Prize of Jiangsu Province, the 6th China International College Students' "Internet+" Innovation and Entrepreneurship Competition

SKILLS

- Programming Language: C++, Python, C#
- Software Platform: Pytorch, Unity, Linux, ROS, Android Studio