

Xiangming Gu

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EDUCATION

National University of Singapore

PhD student, Integrative Sciences and Engineering Programme, supervisor: A.P. Wang Ye

Singapore

Aug. 2021 – June 2025

Tsinghua University

B.E. degree of Electronic Engineering, GPA: 3.80/4.0

Beijing, China

Aug. 2017 – June 2021

Tsinghua University

B.S. degree of Finance

Beijing, China

Aug. 2018 – June 2021

National University of Singapore

Exchange student of Electrical and Computer Engineering, GPA: 4.875/5.0

Singapore

Jan. 2020 – May 2020

PUBLICATIONS

Xiangming Gu*, Longshen Ou*, Danielle Ong, Ye Wang. MM-ALT: A Multimodal Automatic Lyric Transcription System. *ACM International Conference on Multimedia (ACM-MM)*, 2022. (**Oral**)

Longshen Ou*, **Xiangming Gu***, Ye Wang. Towards Transfer Learning of wav2vec 2.0 for Automatic Lyric Transcription. *International Society for Music Information Retrieval Conference (ISMIR)*, 2022.

Youze Xue, Jiansheng Chen, **Xiangming Gu**, Huimin Ma, Hongbing Ma. Boosting Monocular 3D Human Pose Estimation with Part Aware Attention. *IEEE Transactions on Image Processing (TIP)*, 2022. (**Impact factor: 11.041**)

Boyu Zhang, Penghui Yang, **Xiangming Gu**, Hongen Liao. Laser Endoscopic Manipulator Using Spring-reinforced Multi-DoF Soft Actuator. *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2021. Also in *IEEE Robotics and Automation Letter (RA-L)*, 2021. (**Impact factor: 4.321**)

PREPRINTS

Wei Wei, Hengguan Huang, **Xiangming Gu**, Hao Wang, Ye Wang. Unsupervised Mismatch Localization in Cross-Modal Sequential Data. *arXiv preprint arXiv:2205.02670*, 2022.

Xiangming Gu, Xiang Cheng. Distilling a Deep Neural Network into a Takagi-Sugeno-Kang Fuzzy Inference System. *arXiv preprint arXiv:2010.04974v1*, 2020.

AWARDS

ISEP graduate Scholarship, National University of Singapore, 2021

Visiting Undergraduate Student Scholarship, 2020

Zheng Geru Scholarship, Tsinghua University, 2018

SERVICES

Conference Reviewer: AISTATS 2021

Journal Reviewer: RA-L

TEACHING

Teaching Assistant

CS4243: Computer Vision and Pattern Recognition

National University of Singapore

Spring 2022

TECHNICAL SKILLS

Programming Languages: Python, Shell, Matlab, C/C++, HTML, Verilog, Assembly language

Deep Learning Frameworks: PyTorch, Tensorflow

Tools: Github, Latex, Office

Platforms: Linux, Mac, Windows