

Xiangming Gu

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EDUCATION

National University of Singapore	Singapore
<i>PhD student, Integrative Sciences and Engineering Programme, supervisor: A.P. Wang Ye</i>	<i>Aug. 2021 – June 2025</i>
Tsinghua University	Beijing, China
<i>B.E. degree of Electronic Engineering, GPA: 3.80/4.0</i>	<i>Aug. 2017 – June 2021</i>
Tsinghua University	Beijing, China
<i>B.S. degree of Finance</i>	<i>Aug. 2018 – June 2021</i>
National University of Singapore	Singapore
<i>Exchange student of Electrical and Computer Engineering, GPA: 4.875/5.0</i>	<i>Jan. 2020 – May 2020</i>

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	National University of Singapore
<i>CS4243: Computer Vision and Pattern Recognition</i>	<i>Spring 2022</i>
Teaching Assistant	National University of Singapore
<i>CS3244: Machine Learning</i>	<i>Fall 2022</i>

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