Yufeng Yin

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RESEARCH INTERESTS

Affective Computing, Multimodal Learning, Facial Expression Analysis, Machine Learning

EDUCATION

University of Southern California, Los Angeles, CA, USA   Aug 2019 – May 2024 (Expected)
- Ph.D. in Computer Science
- Supervisor: Prof. Mohammad Soleymani

Tsinghua University, Beijing, China   Aug 2015 – Jul 2019
- B.E. in Computer Science
- B.S. in Pure and Applied Mathematics (Second Major)

WORK EXPERIENCE

Research Assistant, University of Southern California   Aug 2019 – May 2024
- Intelligent Human Perception Lab
- Supervisor: Prof. Mohammad Soleymani

Research Intern, Meta, Redmond, WA, USA   May 2023 – Dec 2023
- Reality Labs Audio Research Team
- Manager: Christi Miller

Research Intern, TikTok, Mountain View, CA, USA   May 2022 – Aug 2022
- Virtual Human Team
- Manager: Jing Liu

Research Assistant, Tsinghua University   May 2016 – Jun 2019
- Human-Computer Speech Interaction Group
- Supervisor: Prof. Jia Jia

Research Assistant, Stanford University   Jun 2018 – Sep 2018
- Human-Computer Interaction Research Group
- Supervisors: Prof. James Landay and Prof. Emma Brunskill

PUBLICATIONS (SELECTED)

- **Yufeng Yin**, Ishwarya Ananthabhotla, Vamsi Krishna Ithapu, Stavros Petridis, Yu-Hsiang Wu, Christi Miller. Hearing Loss Detection from Facial Expressions in One-on-one Conversations. To appear at the IEEE International Conference on Acoustics, Speech and Signal Processing. (**ICASSP**)

- **Yufeng Yin**, Di Chang, Guoxian Song, Shen Sang, Tiancheng Zhi, Jing Liu, Linjie Luo, Mohammad Soleymani. FG-Net: Facial Action Unit Detection with Generalizable Pyramidal Features. In Proceedings of the Winter Conference on Applications of Computer Vision. (**WACV**)

- Di Chang, **Yufeng Yin**, Zongjian Li, Minh Tran, Mohammad Soleymani. LibreFace: An Open-Source Toolkit for Deep Facial Expression Analysis. In Proceedings of the Winter Conference on Applications of Computer Vision. (**WACV**)

- Trang Tran, **Yufeng Yin**, Leili Tavabi, Joannalyn Delacruz, Brian Borsari, Joshua Woolley, Stefan Scherer, Mohammad Soleymani. Multimodal Analysis of Empathy Prediction in Motivational Interviews. In Proceedings of the ACM International Conference on Multimodal Interaction. (**ICMI**)

- Minh Tran*, **Yufeng Yin***, Mohammad Soleymani. Personalized Adaptation with Pre-trained Speech Encoders for Continuous Emotion Recognition. In Proceedings of the 24th **InterSpeech**.

- **Yufeng Yin***, Jiashu Xu*, Tianxin Zu, Mohammad Soleymani. X-Norm: Exchanging Normalization Parameters for Bimodal Fusion. In Proceedings of the 2022 International Conference on Multimodal Interaction. (**ICMI**)

- **Yufeng Yin**, Liupei Lu, Yizhen Wu, Mohammad Soleymani. Self-Supervised Patch Localization for Cross-Domain Facial Action Unit Detection. In Proceedings of the 2021 IEEE International Conference on Automatic Face and Gesture Recognition. (**FG**)

- **Yufeng Yin**, Liupei Lu, Yao Xiao, Zhi Xu, Kaijie Cai, Haonan Jiang, Jonathan Gratch, Mohammad Soleymani. Contrastive Learning for Domain Transfer in Cross-Corpus Emotion Recognition. In Proceedings of the 9th International Conference on Affective Computing & Intelligent Interaction. (**ACII**) [**orals**], acceptance rate 23.6%

- Soheil Rayatdoost, **Yufeng Yin**, David Rudrauf, Mohammad Soleymani. Subject Independent EEG Representation Learning for Emotion Recognition. In Proceedings of the 2021 IEEE International Conference on Acoustics, Speech and Signal Processing. (**ICASSP**)

- **Yufeng Yin**, Baiyu Huang, Yizhen Wu, Mohammad Soleymani. Speaker-Invariant Adversarial Domain Adaptation for Emotion Recognition. In Proceedings of the 2020 International Conference on Multimodal Interaction. (**ICMI**)

Professional Services

Reviewer: ICMI (21, 22, 23, 24), WACV (24), FG (24), ECCV (24), ACII (24), IEEE-TAC

Teaching Experience

Teaching Assistant, University of Southern California　　　　　　　Jan 2023 – May 2023
- Affective Computing (CSCI 534)
- Instructor: Prof. Jonathan Gratch

Teaching Assistant, University of Southern California　　　　　　　Jan 2021 – May 2021
- Multimodal Probabilistic Learning of Human Communication (CSCI 535)
- Instructor: Prof. Mohammad Soleymani

Teaching Assistant, Tsinghua University　　　　　　　Sep 2018 – Dec 2018
- Principles of Signal Processing
- Instructor: Prof. Jia Jia