



Yang Merik Liu

- Instructor, Psychiatry and Behavioral Sciences
- Postdoctoral Scholar, Psychiatry

Bio

BIO

Dr. Yang Merik Liu is currently a postdoctoral scholar (and an incoming Instructor) with the Department of Psychiatry and Behavioral Sciences, Stanford University, and is affiliated with the Center for Machine Vision and Signal Analysis, University of Oulu, Finland. He is a Co-I of the NIH/NIA R33 Grant, and was a PI of the North Ostrobothnia Regional Fund of the Finnish Cultural Foundation and the Instrumentarium Science Foundation, carrying out research on digital measures with affective intelligence. Dr. Liu coordinated and managed "AI Forum" and "ICT 2023 TrustFace" projects during his postdoctoral research in University of Oulu since Jan. 2022, led by Academy Professor Guoying Zhao, member of Academia Europaea, member of the Finnish Academy of Sciences and Letters, IEEE/IAPR/ELLIS Fellow. He was also a former researcher with the Haag-Helia University of Applied Sciences, in 2023, and was a visiting scholar with Hong Kong Baptist University (Prof. Pong Chi Yuen) and University of Cambridge (Prof. Hatice Gunes), in 2023 and 2024, respectively. Dr. Liu has published more than 40 papers in reputable journals and proceedings. He served as the Session Chair of IEEE FG 2025, the Track Chair of IEEE COINS 2026, the Guest Associate Editor of Frontiers in Psychology and Frontiers in Human Neurosciences, and organized tutorials and workshops in international conferences, i.e., HHAI 2024 and IEEE FG 2025. Dr. Liu was an Assistant Lecturer of the "Affective Computing" course in University of Oulu, in 2023. He mentored junior doctoral researchers and co-supervised post-/undergraduate students. His research interests include affective computing, cognitive computation for cross-species behavioral, and AI for aging medicine.

ACADEMIC APPOINTMENTS

- Instructor, Psychiatry and Behavioral Sciences

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Institute of Electrical and Electronics Engineers (IEEE) (2025 - present)
- Member, Finnish Center for Artificial Intelligence (FCAI) (2023 - present)

PROFESSIONAL EDUCATION

- Doctor of Science, South China University Of Technology (2021)
- Postdoc, University of Oulu, Finland , Affective Computing (2022)
- Visiting Scholar, Hong Kong Baptist University , Digital face forgery detection (2023)
- Visiting Scholar, University of Cambridge , Pain detection and social robot (2024)

STANFORD ADVISORS

- Feng Lin, Postdoctoral Research Mentor
- Ehsan Adeli, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: <https://scholar.google.com/citations?user=KBoCQLoAAAAJ&hl=en>
- CogT Lab: <https://cogtlab.stanford.edu/>

Research & Scholarship

PROJECTS

- A Facial Expression-Based Personalization Engine (FPE) for Monitoring and Modulating Real-Time Effective Engagement in Cognitive Training in Older Adults at Risk for AD/ADRD - NIH/NIA (9/1/2025 - present)
- Bridging Large Affective Intelligence and Personalized Pain Detection - Instrumentarium Science Foundation (7/1/2024 - present)
- Towards Crowdsensing Facial Affect Encoder for Trustworthy Mental Wellbeing: A study of Workplace Pain Detection - Finnish Cultural Foundation (1/1/2024 - 12/31/2024)