

Gabriel Rongyang Lau

WORK EXPERIENCE

- 2023–Present Research Engineer (Senior), Nanyang Technological University, School of Social Sciences, Visual Cognitive Neuroscience Lab
- 2022–2023 Research Associate and Lab Manager, Nanyang Technological University, National Institute of Education

EDUCATION

- 2017–2022 Concurrent Degree Programme [M.Soc.Sci. (Psychology) & B.Soc.Sci. (Honours with Highest Distinction)]
- National University of Singapore
- Summer Exchange: Harvard University (2019); Yale University (2018)

AWARDS AND HONOURS

- 2026 Responsible Conduct of Research Champion Award, Nanyang Technological University
- 2025 Best Research Design Award, Asian Conference of Criminal and Operations Psychology
- 2024 Top 50 of 10,500 Abstracts, Society for Neuroscience Annual Meeting
- 2019 Dean's Scholar List (Top 1%), National University of Singapore
- 2019 Dean's List (Top 5%), National University of Singapore
- 2018 US-Singapore Summer Exchange Scholarship (SGD 10,000), Ministry of Foreign Affairs

PUBLICATIONS

(*corresponding author; †equal contribution; IF = Journal Impact Factor)

Peer-Reviewed Journal Articles

7. **Lau, G. R.**†, Choo, C. M.†*, & Hartanto, A.* (Accepted) Eye-tracking in the evaluation of misinformation and fake news: A scoping review. *Journal of Medical Internet Research* [IF = 8.1, IF_{5year} = 8.2]
6. **Lau, G. R.**†*, Low, W. Y.†, Koh, S. M., Nah, F. F.-H., & Hartanto, A.* (Accepted) Evaluating AI alignment in LLMs: Output analysis of value priorities across 75 models with human benchmarking. *International Journal of Human–Computer Interaction* [IF = 6.1, IF_{5year} = 7.0]
5. Koh, S. M.†, **Lau, G. R.**†*, Cox, S., Ang, D. Y. H., Nah, F. F.-H.*, & Hartanto, A.* (Accepted). AI Usability Scale for human-AI interaction: Development and validation of a generalisable

- usability measure for AI systems and products. *International Journal of Human–Computer Interaction* [IF = 6.1, IF_{5year} = 7.0]
4. **Lau, G. R.***, Nah, F. F.-H.*, & Hartanto, A. (Accepted). Agentic AI ethics and governance: A framework for AI systems that plan, act, and adapt. *International Journal of Human–Computer Interaction* [IF = 6.1, IF_{5year} = 7.0]
 3. Tong, E. M. W.*, **Lau, G. R.†**, Poh, D. X. Q.†, Chan, D. J. H., Lim, C. L., Low, M. W. Y., & Tan, B. S. A. (2026). Gratitude and self-benefiting obedience: Gratitude eliciting dishonest behavior out of obedience. *Personality and Social Psychology Bulletin*, 52(10), 3349–3362. <https://doi.org/10.1177/01461672251378534> [IF = 3.3, IF_{5year} = 4.7]
 2. **Lau, G. R.***, Goh, A. Y. H., Kasturiratna, K. T. A. S., Tong, E. M. W., & Hartanto, A.* (2026). AI fatigue in human–AI interaction: Conceptual framework, scale development and validation, and associations with AI engagement. *Computers in Human Behavior Reports*, 23, 101186. <https://doi.org/10.1016/j.chbr.2026.101186> [IF = 5.5, IF_{5year} = 7.3]
 1. **Lau, G. R.***, Low, W. Y., Tay, L., Guevarra, Y. A., Gašević, D., & Hartanto, A.* (2026). Understanding critical thinking in generative artificial intelligence use: Development, validation, and correlates of the critical thinking in AI use scale. *Computers in Human Behavior Reports*, 22, 101103. <https://doi.org/10.1016/j.chbr.2026.101103> [IF = 5.5, IF_{5year} = 7.3]

INTELLECTUAL PROPERTY

Invention/Technology Disclosure

2. Soh, X. C., **Lau, G. R.**, Hu, M., & Hartanto, A. (2026). *An interactive speech-to-speech, LLM-powered mindfulness breathing chatbot* (Reference No. SMU-ID-FY2026-02). Singapore Management University.
1. Xu, H., **Lau, G. R.**, Zhao, Z., & Ng, B. C. (2025). *A media credibility assessment model for predicting trust in speaker and news content* (Reference No. TD#2025-337). Nanyang Technological University.

CONFERENCE PRESENTATIONS (INTERNATIONAL ONLY)

8. **Lau, G. R.**, Zhao, Z., Sun, S., Ng, N. Z. E., Ng, B. C., & Xu, H. (2025, August 24–28). *Facial emotion and news veracity interact to shape speaker trustworthiness but independently influence news trustworthiness* [Poster presentation]. European Conference on Visual Perception, Mainz, Rhineland-Palatinate, Germany.
7. **Lau, G. R.**, Zhao, Z., Sun, S., Ng, N. Z. E., Ng, B. C., & Xu, H. (2025, July 16–17). *Police uniforms enhance trustworthiness of speaker but not information* [Poster presentation]. Asian Conference of Criminal and Operations Psychology, Singapore.
6. Koh, S. M., & **Lau, G. R.** (2025, July 16–17). *ChatGPT leads deepfake detection: A comparative study of multimodal large language models* [Poster presentation]. Asian Conference of Criminal and Operations Psychology, Singapore.
5. **Lau, G. R.**, Zhao, Z., Sun, S., Ng, N. Z. E., Chiam, R. W. Q., Ng, B. C., & Xu, H. (2025, June

- 17–20). *Gender differences but not gender biases influence trustworthiness judgement* [Poster presentation]. Australasian Experimental Psychology Conference and Asia Pacific Conference on Vision Joint Meeting, Sydney, New South Wales, Australia.
4. **Lau, G. R.**, Zhao, Z., Sun, S., Ng, N. Z. E., Ng, B. C., & Xu, H. (2025, May 15–19). *Identifying distrust from facial expressions by Facial Action Coding System* [Poster presentation]. Vision Sciences Society, St. Pete Beach, Florida, United States.
 3. **Lau, G. R.**, Zhao, Z., Sun, S., Ng, N. Z. E., Ng, B. C., & Xu, H. (2024, October 5–9). *Effects of social cues on trust in social media content* [Poster presentation]. Society for Neuroscience Annual Meeting, Chicago, Illinois, United States.
 2. Zhao, Z., Sun, S., Ng, N. Z. E., **Lau, G. R.**, Ng, B. C., & Xu, H. (2024, July 10–12). *Trustworthiness judgement in short videos is influenced by speakers' facial emotion and attire* [Poster presentation]. Asia Pacific Conference on Vision, Singapore.
 1. **Lau, G. R.**, Zhao, Z., Sun, S., Ng, N. Z. E., Ng, B. C., & Xu, H. (2024, July 10–12). *Predicting trust toward media content by eye movement* [Oral presentation]. Asia Pacific Conference on Vision, Singapore.

INVITED TALKS/LECTURES

1. Lau, G. R. (2026, June). *A tutorial on how to use LLMs for qualitative analysis and AI chatbot experiments in psychological research* [Invited guest tutorial class]. School of Social Sciences, Singapore Management University, Singapore.

PROFESSIONAL SERVICE

2026–Present Editorial Board, *Technology, Mind, and Behavior* [IF = 3.4, IF_{5year} = 4.7] (accepted invitation from Editor-in-Chief on October 2026)

Ad Hoc Reviewer

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| • <i>Computers & Education: Artificial Intelligence</i> | • <i>IEEE Transactions on Affective Computing</i> |
| • <i>Education and Information Technologies</i> | • <i>Technology, Mind, and Behavior</i> |
| • <i>AIS Transactions on Human-Computer Interaction</i> | • <i>Computers in Human Behavior: Artificial Humans</i> |
| • <i>International Journal of Human-Computer Interaction</i> | • <i>Journal of Medical Internet Research</i> |
| • <i>JMIR Medical Education</i> | • <i>JMIR Mental Health</i> |
| • <i>JMIR mHealth and uHealth</i> | • <i>JMIR AI</i> |
| • <i>JMIR Medical Informatics</i> | • <i>JMIR Aging</i> |
| • <i>JMIR Infodemiology</i> | • <i>JMIR Human Factors</i> |
| • <i>JMIR Nursing</i> | • <i>JMIR Cancer</i> |
| • <i>JMIR Cardio</i> | • <i>JMIR Formative Research</i> |
| • <i>Interactive Journal of Medical Research</i> | • <i>JMIR Bioinformatics and Biotechnology</i> |
| • <i>Online Journal of Public Health Informatics</i> | • <i>Cogent Education</i> |
| • <i>Journal of Technology in Behavioral Science</i> | • <i>International Journal of Mental Health</i> |

Promotion

- *PLOS One*

PROFESSIONAL AFFILIATIONS

- *American Psychological Association (APA)*
- *Society for Neuroscience (SfN)*
- *Vision Sciences Society (VSS)*