

# Tak Kwan Quentin Lam (Modified on May 22, 2025)

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603C, 6F, Wong Foo Yuan Building, The Chinese University of Hong Kong, Sha Tin.

This resume can be found through the link: [Quentin Lam's Resume](#)



## Education & Work

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Beijing Normal University, China

September 2019 - June 2023

Bachelor of Science in Psychology (Supervisor: Ph.D. Qiandong Wang)

The Chinese University of Hong Kong, Hong Kong SAR, China

August 2023 - July 2025

Full-time Junior Research Assistant (**Present**)

The Chinese University of Hong Kong, Hong Kong SAR, China

August 2025 - June 2027

Master of Philosophy in Psychology (Supervisor: Prof. Urs Maurer)

## Research Interest & Skills

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Interest: ① Clinical computational / multimodal research ② Neuroscience methodology / algorithm ③ Gene  $\times$  Environment

Programming Skills: Fluent in Python, R,  $\text{\LaTeX}$ . Familiar with Matlab, JavaScript. Some of my codes on [GitHub](#) and [RPubs](#).

Language: Fluent in Cantonese, Mandarin (Mother tongue), and English (IELTS-A 7.5). Learning German (A2).

## Workshop

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Lam T. K. (2025.04). A step by step guide to do moderation analysis with copilot in R. Rm 411, Wong Foo Yuan Bldg, CUHK.

## Publications and Thesis

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Li, Y., Wang, Q., Yuan, S., **Lam, T. K.**, Guo, K., Zhang, Y. & Yi, L. (2025). Reduced attention to human eyes in autism-associated Shank3 mutant laboratory beagle dogs. *Molecular Psychiatry*.

<https://doi.org/10.1038/s41380-025-02965-7>

Huo, S., Wang, J., **Lam, T. K.**, Wong, B. W. L., Wu, K. C., Mo, J., & Maurer, U. (2024). Development of EEG Alpha and Theta Oscillations in the Maintenance Stage of Working Memory. *Biological Psychology*, 191, 108824.

<https://doi.org/10.1016/j.biopsycho.2024.108824>

Su, W., **Lam, T. K.**, Yi, Z., Ahemaitijiang, N., Han, Z. R., & Wang, Q. (2023). Dynamic Patterns of Affect-biased Attention in Children and its Relationship with Parenting. *International Journal of Behavioral Development*, 01650254231207596.

<https://doi.org/10.1177/01650254231207596>.

XU Jianjie, ZHANG Yiyi, **LAM Tak Kwan**, CHE Liying, SONG Manman, HAN Zhuo. (2023). Parent-child Attachment and Children's Depressive Symptoms: The Role of Children's Biological Sensitivity and Parental Gender Differences. *Acta Psychologica Sinica*, 55 (3), 469.

Su, W., Lin, X., Liu, W., **Lam, T. K.**, Li, P., & Wang, Q. (2025). The Impact of Depression and Social Anxiety on Eye Orientation and Disengagement in Individuals with and without Depression. *Journal of Affective Disorders* [Submitted].

**Lam, T. K.**, Liu, W., Su, W., Wang, Z., Li, P., Wang, Q., & Lin, X. Initial and Sustained Attentional Bias toward Emotional Faces in Major Depression Disorder. [In preparation].

**Lam, T. K.**, Huo, S., Lui, K. F. H., McBride C., & Maurer, U. The effect of resting state alpha power on basic academic skills in Hong Kong Chinese-English-speaking children. [In preparation].

## Conferences (\* denote as the presenter)

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**Lam, T. K.\***, Liu, W., Su, W., Wang, Z., Li, P., Wang, Q., & Lin, X. (July 2025). Initial and Sustained Attentional Bias toward Emotional Faces in Major Depression Disorder. *Will be presented at the CP(Computational Psychiatry) Conference*, Tübingen, Germany.

**Lam, T. K.\***, Huo, S., Lui, K. F. H., McBride C., & Maurer, U. (February 2025). The Effect of Resting State Alpha Power on Basic Biliteracy in Hong Kong Chinese-English-speaking Children. *Presented at the ARWA (Association for Reading and Writing in Asia) Conference*, Cebu, Philippines.

**Lam, T. K.\***, Huo, S., Chan, Y. H., Chen, Y., & Maurer, U. (July 2024). Intergenerational Transmission of Chinese Dyslexia. *Presented at the SSSR (Society for the Scientific Study of Reading) Conference*, Copenhagen, Denmark.

Wang, Q., Li, X., Gong, X., Yin, T., **Lam, T. K.\***, & Yi, L. (May 2023). Autistic Children's Visual Attention to Face Movement. *Presented at the INSAR (International Society for Autism Research) Conference*, Stockholm, Sweden.

## Lab Experience

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**(Present)** Cognitive Neuroscience of Language Lab, CUHK. Supervisor: Prof. Urs Maurer August 2023 - July 2025  
Junior Research Assistant

- Participate in the final report of the General Research Fund #14601921 awarded to Urs Maurer and Shuting Huo
- Teach two MA students (Supervisor: Ph.D. Shuting Huo) preprocess EEG data with Brain Vision Analyzer
- Apply algorithm to separate periodic and aperiodic component in EEG power spectra (Paper published)
- Generate assessment feedback reports for 2 different projects' children and parents (Python)

Child Cognition Lab, Beijing Normal University. Supervisor: Ph.D. Qiandong Wang June 2021 - June 2023  
Part-time Research Assistant

- TA at the undergraduate course, Experiments in Experimental Psychology (In Matlab & R) 2022 Fall & 2023 Spring
- Machine learning for eye-tracking temporal dynamic data (Paper published)
- Eyelink eye-tracking experiment coding in Python with Psychopy
- Develop Python eye-tracking data preprocess pipeline

Parental Emotional Regulation and Kids Lab. Supervisor: Prof. Zhuo Rachel Han September 2020 - June 2022  
Part-time Research Assistant

- Conduct behavioral coding of 80 parent-child interactions based on Minnesota Longitudinal Study Manuals
- Assess physiological sensitivity by respiratory sinus arrhythmia (Biopac MP150) and brain activity with fNIRS

## Clinical Experience

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Peking University Sixth Hospital, China. Supervisor: M.D. Xuebing Huang, Mr. Kun Jia February 2025 - April 2025  
Complete the Mindfulness-Based Cognitive Therapy(MCBT) 8-week program

Peking University Sixth Hospital, China. Supervisor: M.D. Peng Li November 2021 - November 2022  
Scientific Intern

- Trained to conduct the Mini International Neuropsychiatric Interview and MATRICS Consensus Cognitive Battery
- Assist in eye-tracking & fMRI data collection
- Recruit 24 major depressive disorder participants at the outpatient services