

# Tak Kwan Quentin Lam

Modified on February 5, 2025

Tel: (+852) 91441556 quentinlampsy@gmail.com / quentinlam@cuhk.edu.hk

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

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

## Education & Work

---

Beijing Normal University, China Bachelor of Science in Psychology	September 2019 - June 2023
The Chinese University of Hong Kong, Hong Kong SAR, China Full-time Junior Research Assistant ( <b>Present</b> )	August 2023 - July 2025
The Chinese University of Hong Kong, Hong Kong SAR, China Master of Philosophy in Psychology	August 2025 - June 2027

## Research Skills

---

Programming: Fluent in Python, R,  $\text{\LaTeX}$ . Familiar with Matlab, Psychopy Builder, Eyelink Dev Tools, Tobii Pro Lab

Some of my codes can be found on GitHub and RPubS

Measurements: EEG (EGI, ANT), eye-tracking (Eyelink, Tobii), physiology (Biopac), fMRI (GE MR750), fNIRS (NIRx)

Language: Fluent in Cantonese, Mandarin (Mother tongue), and English (IELTS 7.0). Learning German (A1).

## Lab Experience

---

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

- Teach two MA students (Supervisor: Ph.D. Shuting Huo) using Brain Vision Analyzer to preprocess EEG data
- Use FOOF package to separate periodic and aperiodic component in EEG power spectra (Paper published)
- Use Python to automatically generate Children and Parent reports as the reading assessment feedback
- Developing Python EEG data preprocess pipeline

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

- 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 <i>Part-time Research Assistant</i>	September 2020 - June 2022
--	----------------------------

- Conduct behavioral coding of 80 parent-child interactions based on Minnesota Longitudinal Study manuals
- Assess physiological sensitivity using respiratory sinus arrhythmia (Biopac MP150) and measured brain activity with functional near-infrared spectroscopy (fNIRS)

- Code Experiment in Python for Eyelink eye-tracking on Autism-associated Shank3 mutant dogs

## Clinical Experience

---

Peking University Sixth Hospital, China. Supervisor: M.D. Xuebing Huang

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

## Publications and Thesis

---

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.

Li, Y., Wang, Q., Yuan, S., **Lam, T. K.**, Guo, K., Zhang, Y. & Yi, L. (2024). Reduced Attention to Human Eyes in Autism-associated Shank3 Mutant Dogs. *Molecular Psychiatry* [Under 2nd round review].

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

**Lam, T. K.**, Wang, Q. (2023). *Attentional Biases toward Emotional Faces in the Major Depressive Disorder: An Eye-tracking Study*. (Unpublished bachelor's thesis). Beijing Normal University.

## Conferences (\* denote as the presenter)

---

**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. *Will be 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.