

KUAN-YING TREVOR CHOU

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EDUCATION

National Taiwan University

M.S. in Brain and Mind Sciences

- Advisor: Prof. Joshua Oon Soo Goh
- GPA: 4.3/4.3
- Master Thesis Manuscript in Preparation

Taipei, Taiwan
Sep 2025 – Present

National Taiwan University

B.S. in Psychology

- GPA: 3.89/4.3
- Certificate Program of Neurobiology and Cognitive Science

Taipei, Taiwan
Sep 2022 – Jun 2025

RESEARCH EXPERIENCE

Graduate Researcher

Graduate Institute of Brain and Mind Sciences

National Taiwan University

- Principal Investigator: Prof. Joshua Oon Soo Goh
- Conducted a fMRI study examining how hippocampus and control network engagement adapt to conceptual rule change, with findings presented in a first-author poster at OHBM 2026
- Developed Python pipelines for group-level fMRI analysis using linear mixed-effects models and evaluated trial-wise estimation with LSS GLMs.
- Provided preprocessing and analysis guidance for a lab member's project on information seeking under music-related uncertainty and introduced standard lab workflows.

Taipei, Taiwan
Sep 2025 – Present

Undergraduate Research Assistant

Graduate Institute of Brain and Mind Sciences

National Taiwan University

- Principal Investigator: Prof. Joshua Oon Soo Goh
- Designed experimental stimuli and executed a pilot study on concept learning via PsychoPy, analyzing behavioral data using R, culminating in a poster presentation.
- Administered comprehensive neuropsychological batteries (e.g., MoCA and WAIS) and motor assessments to both younger and older adult cohorts.

Taipei, Taiwan
Jun 2023 – Aug 2025

Summer Research Intern

Institute of Biomedical Sciences

Academia Sinica

- Principal Investigator: Dr. Kuo-Sheng Lee
- Performed cellular immunofluorescence staining and confocal imaging for neurobiological research.
- Assisted in the setup of a new laboratory by coordinating communications and relocating equipment.

Taipei, Taiwan
Jun 2024 – Aug 2024

Undergraduate Research Assistant

Department of Psychology

National Taiwan University

- Principal Investigator: Prof. Yee-San Teoh
- Collected behavioral data from child participants in an experimental deception paradigm.

Taipei, Taiwan
May 2023 – May 2024

CONFERENCE PRESENTATIONS

- **Chou, K. Y.**, Su, Y. S., Goh, J. O. S. (2026). Suboptimal Adaptation in Control Network Engagement during Conceptual Rule Change. Poster presented at the Annual Meeting for the Organization for Human Brain Mapping, Bordeaux, France.
- **Chou, K. Y.**, Su, Y. S., Goh, J. O. S. (2026). Suboptimal Adaptation in Control Network Engagement during Conceptual Rule Change. Poster presented at the Annual Meeting for the Taiwan Society of Cognitive Neuroscience, Taipei, Taiwan.
- **Chou, K. Y.**, Chang, M. S., Schafer, C., Philippides, A., Huber, D., Lee, K. S. (2024). Optical Dissection of the Parvalbumin-positive (PV) Neural Networks in the Somatosensory Brainstem. Poster presented at the Summer Research Program, Academia Sinica, Taipei, Taiwan
- **Chou, K. Y.**, Su, Y. S., Goh, J. O. S. (2023). Balancing Efficiency and Flexibility in Concept Learning: Investigating Accuracy and Reaction Time. Poster presented at the Summer Internship Program, Center for Neurobiology and Cognitive Science, National Taiwan University, Taipei, Taiwan.

HONORS

Excellence Award in the Excellent Student Paper Competition

Taiwan Society of Cognitive Neuroscience (TSCN)

Taipei, Taiwan

Jan 2026

- Awarded for the top student research presentation among nationwide attendees in the 2026 annual meeting.

Student Altruism Award

College of Science, National Taiwan University

Taipei, Taiwan

Jun 2025

- A selective college-level award honoring outstanding commitments to public welfare, community support, and impactful altruistic deeds.

Excellent Teaching Assistant Award (Awarded 3 times)

National Taiwan University

Taipei, Taiwan

2024 – 2025

- Recognized for exceptional teaching performance in Freshman English.

Elite Scholarship

Ping An Elite Education Foundation

Taichung, Taiwan

Mar 2025

- Competitive scholarship valued at NT\$80,000 (approx. €2,100), awarded based on academic achievement, a personal statement, and a panel interview to students ranking in the top 20% of their cohort.

People's Choice Award

Neuroscience Program of Academia Sinica (NPAS)

Taipei, Taiwan

Aug 2024

- Voted by the audience for the most engaging and impactful poster presentation during the summer internship program.

National Research Grant for University Students

National Science and Technology Council

Taipei, Taiwan

Jun 2024

- National research grant awarded to fund an independent undergraduate research proposal.

TEACHING EXPERIENCE

Teaching Assistant

Department of Foreign Languages and Literatures
National Taiwan University

Taipei, Taiwan
Sep 2024 – Present

- Course: Freshman English
- Instructor: Prof. Nae-Dong Yang
- Conducted presentation rehearsals and provided students with feedback on intonation, pacing, and audience engagement.

Teaching Assistant

Graduate Institute of Brain and Mind Sciences
National Taiwan University

Taipei, Taiwan
Feb 2026 – Jun 2026

- Course: Brain Data Analysis Methods
- Instructors: Prof. Joshua Oon Soo Goh and Prof. Chia-Lin Lee
- Advised on experimental design and data analysis for final projects, assisted in coordinating a student exchange symposium at Nanyang Technological University in Singapore, and managed the course GitHub repository.

Teaching Assistant

Department of Medicine
National Taiwan University

Taipei, Taiwan
Feb 2026 – Jun 2026

- Course: Learning the Wisdom of Life from Stories of Good Death
- Instructor: Prof. Jaw-Shiun Tsai, M.D.
- Facilitated group discussions on end-of-life care and evaluated reflection essays, providing feedback to deepen students' understanding of palliative care.

Teaching Assistant

Graduate Institute of Brain and Mind Sciences
National Taiwan University

Taipei, Taiwan
Sep 2025 – Dec 2025

- Course: Cognitive Science
- Instructors: Prof. Joshua Oon Soo Goh and Prof. Chia-Lin Lee
- Programmed custom scripts to analyze ERP data, facilitating a live classroom demonstration for a neuroaesthetics lecture.
- Coordinated course logistics, including liaising with guest instructors, managing assignments, and tracking attendance.

Teaching Assistant

Department of Foreign Languages and Literatures
National Taiwan University

Taipei, Taiwan
Sep 2023 – Jun 2024

- Course: French (I) (1) and French (I) (2)
- Instructor: Lecturer Su-Li Chen
- Facilitated conversational French practices, evaluated assignments, and managed routine course logistics via the online platform.

SKILLS

Computational Skills: Python, fMRIPrep, R, SPM12, PsychoPy, MATLAB

Languages: Mandarin and Taiwanese Hokkien (Native), English (IELTS 7.5), French (Basic)