

# An Shu Te

RESEARCH ASSISTANT AT CLINICAL BRAIN LAB

Nanyang Technological University, Singapore

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## Biography

My research interests lie in emotion regulation, particularly in investigating its association with interoception and personality traits. I am also interested in investigating the mechanistic underpinnings of psychotic and mood disorders, as well as the role of parental passive-aggression on children's externalizing and internalizing behaviours.

## Research Experience

### Clinical Brain Lab

Nanyang Technological University

RESEARCH ASSISTANT

10-2021, Present

- Develop and conduct online cognitive behavioural tasks and surveys (using jsPsych etc.)
- Perform EEG, physiological and behavioural data collection, preprocessing and data analysis
- Coordinate data collection and cognitive training sessions.
- Assist in the preparation and writing of progress reports, scientific presentations, manuscripts, abstracts and publications
- Manage and maintain project records.
- Coordinate project meetings and facilitate communication among project personnel
- Develop and maintain project operational procedures, training materials and documents
- Train and mentor other research assistants and student assistants

### ABC Lab

Singapore Management University

RESEARCH ASSISTANT

05-2021, 10-2021

- Recruit subjects on and off campus
- Develop and conduct surveys and cognitive behavioural tasks
- Summarize research findings and preprocess data
- Assisting in the preparation and writing of progress reports, scientific presentations, abstracts, manuscripts and publications
- Train and mentor other research assistants and student assistants

## Clinical/Teaching Experience

### Clinical Brain Lab

Nanyang Technological University

RESEARCH ASSISTANT

08-2022, 08-2022

- Conducted an "Intro to Github" workshop

### ABC Lab

Singapore Management University

RESEARCH ASSISTANT

05-2021, 10-2021

- Screen older adults for neurocognitive deficits using assessment tools

### Fernvale Garden School

Movement for the Intellectually

Disabled

SPECIAL EDUCATION TEACHER

08-2020, 05-2021

- Taught students (7 - 18 year olds) with moderate to severe neurodevelopmental and behavioural disorders a range of subjects (English, Math etc.,) as well as basic living skills
- Teach students different coping mechanisms to manage behavioural disorders and facilitate behaviour management workshops
- Provide regular assessment of living skills, educational progress and behavioural management for children
- Formulate individualized education plans and treatment and intervention plans regularly
- Provide basic assessment of children's behavioural needs as well as educational progress
- Support students' learning using a range of different teaching strategies and handmade as well as self-sourced IT resources

### Childrens Partnership Pte Ltd

Singapore

INTERN

06-2019, 08-2019

- Shadow principal psychologist and assist during intervention sessions
- Provide brief case reports based on clinical observations
- Engage and teach children in special needs teaching programmes
- Organize social and special needs educational programs to facilitate learning for children
- Facilitate social skills training and behavioural interventions

## Education

- Bachelor of Social Sciences with Honors (Highest Distinction) in Psychology
- Honors Thesis: What Happens After we Choose to Eat the Forbidden Fruit - Effects of Indulgence Autonomy on Post-Temptation Motivation

## Publications

- Yang, H., Tng, G.Y.Q., Khoo, S.S. & **Te, A.** Smartphone-use profiles and cognitive and socioemotional outcomes in middle-aged and older adults: a latent profile analysis. *Curr Psychol* (2023). <https://doi.org/10.1007/s12144-023-04537-w>
- Makowski, D., **Te, A.**, Pham, T., Lau, Z., & Chen, S. A. The Structure of Chaos: An Empirical Comparison of Fractal Physiology Complexity Indices using NeuroKit2. *Entropy* (2022). <https://doi.org/10.3390/e24081036>
- Makowski, D., **Te, A.**, Kirk, S., Liang, N. Z., & Chen, S. A. (2022, October 26). The Illusion Game: A Novel Experimental Paradigm Provides Evidence for a General Factor of Visual Illusion Sensitivity and Personality Correlates. (under review). <https://doi.org/10.31234/osf.io/9pjsx5>

## Conferences & Presentations

### EEG Complexity as a Marker of Spontaneous Lies

Organization for Human Brain  
Mapping (OHBM)  
07, 2023

### Neurokit2: An open-source Python software to analyse physiological data

Organization for Human Brain  
Mapping (OHBM)  
07, 2023

### Fractal dimension of EEG activity is linked to distinct facets of resting-state cognition

Organization for Human Brain  
Mapping (OHBM)  
06, 2022

### A Closer Look at Cardiac Contraction and the Effect of Cardiac Timing on Cognitive Control

Organization for Human Brain  
Mapping (OHBM)  
06, 2022

## Awards & Distinctions

2020	Deans List	National University of Singapore
2019	Wan Boo Sow Chinese Studies (GE)	National University of Singapore
2019	Deans List	National University of Singapore

## Volunteer work

2022-Current	Regular volunteer (IMHope)	Institute of Mental Health
2022-Current	Regular Volunteer	Singapore After-Care Association
2019	Overseas volunteer (Project Sangkhem)	Cambodia
2019	Intern	Children's Partnership Pte Ltd (Singapore)

## Skills

### TECHNICAL SKILLS

#### Coding Languages

R – Python – SPSS

#### Software

RStudio – jsPsych – PsychoPy

#### Other

Git – Markdown

### LANGUAGES

Skill	English	Mandarin
Reading	Native	Native
Writing	Native	Native
Listening	Native	Native
Speaking	Native	Native

## References

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- **Prof. Dr. Annabel Chen**, Nanyang Technological University, NTU, [annabelchen@ntu.edu.sg](mailto:annabelchen@ntu.edu.sg)
- **Dr. Dominique Makowski** Nanyang Technological University, NTU, [dom.makowski@gmail.com](mailto:dom.makowski@gmail.com)