# Jiayao(Theo) Hong

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## EDUCATION

**Changshu Institute of Technology**                                           **2020.9-2024.6**
Bachelor's Degree of Science                                                     Changshu, CN
- Major in Economics statistics
- Grade: 85.08/100

Core Modules: Mathematics Analysis (1)(90), Mathematics Analysis (2)(93), Advanced Algebra and Analytic Geometry (91.5), Probability Theory and Mathematical Statistics (91), Multivariate Statistical Analysis (90.5)

**University of Nottingham**                                                     **2024.9-now**
Master's Degree of Science                                                       Nottingham, UK
- Major in Psychology research methods
- Core Modules: Psychology research in context; Advanced methods in psychology; Introduction to MATLAB programming; Current Issues in cognitive neuroscience; professional skills; Data analysis in neuroimaging

## Research Interest

I am interested in animal cognition, especially learning, language, and consciousness. For learning, I am fascinated by how cognitive effort mediates goal-directed behavior. For language, I am interested in how animals perceive and represent events in their way, which is similar to the way humans use language and imagination. I believe these two parts of the research can finally contribute to the study of how consciousness emerges in creatures.

## EXPERIENCE

**Prospects of Campus Sharing Economy Development-A Case Study of Shared Power Bank**                              **2022.6-2023.9**
Secondary Director                                                              Suzhou, CN
- Reviewing literature and developing a research approach
- Conducting several surveys and analyzing data in SPSS and AMOS
- Writing a research paper

**The research on the role of inner speech in the processing of abstract concepts**                               **2023.9-2024.5**
Graduate design                                                                Suzhou, CN
- Designing experiment using the articulatory suppression paradigm on opensesame
- Self-learning mixed effect model and conduct it using R programming

**Internship on Spontaneous timing in a within-subject Pavlovian inhibition task: A quest for retardation**       **2024.2-2024.4**
                                                                               Nottingham, UK
Supervisor: Charlotte Bonardi
- Handling rats, weighing rats, feeding rats, testing the apparatus, running the experiment program on the computer with MPC, collect and store data
- Analysing data with SPSS and JASP and conducting repeated measure ANOVA
- Writing about the results and discussion

## OTHER EXPERIENCE

**College Student Youth Volunteer Organization in Changshu Institute of technology**
- Department Executive in the Volunteer Activity Department                     Suzhou, CN
- Planning volunteer activities and recruiting volunteers.
- Leading volunteers in activities and drafting the report

**29th Associative learning symposium**                                        Gregynog, England

## Awards

- 2020 First prize in the 18th Jiangsu Province Higher Mathematics Competition

• 2022 Second prize in the twelfth national market research competition (Campus)

## SKILLS

- Research methods: Animal experiment, FMRI analysis on SPM, SPSS, JASP, R programming, MATLAB programming, Opensesame.
- Other skills: literature review, presentation, communication skills, critical thinking, problem solving