Siyu(Valerie) Lai

(+86) 15101040941 | 201711061220@mail.bnu.edu.cn

Education

2017.9-Present	Beijing Normal University, P.R. China Major: Psychology Cum GPA: 3.74/4.00 Major GPA: 3.90/4.00

Academic and Professional Honors, Awards, and Distinctions

2019	First Prize of Academic Research Competition, Beijing Normal University
	➢ *The cognitive neural mechanism of musical memory: A study based on EEG*
2018-2019	Undergraduate Research Fellowship, Beijing Normal University
2017-2018	First Prize of Outstanding Undergraduate Assistance Scholarship (Top 20%), Beijing Normal University
2017	First Prize of Outstanding Freshman Scholarship (Top 3%), Beijing Normal University

Research Interests

Broadly, my research interests involve the study of mechanisms that how we learn and remember everything, as well as the general cognitive mechanisms underlined our daily activities. In addition, I have a particular interest in aesthetic perceptions of art, music or any object that can give rise to aesthetic judgments and neural mechanisms behind it. And also, I am interested in how to make human feel better and really enjoy their lives, like studying the roles individual differences variables (e.g., optimism, perfectionism, coping) play in positive and negative mental health and how negative emotions may benefit us.

Research Experience

2017.9-Present	**Research Assistant** *Memory and Study Lab* Principle Investigator: Professor Gui Xue, Ph.D., State Key Laboratory of Cognitive Neuroscience and Learning , Beijing Normal University, Beijing, China

➢ Chaired an independent project called < The cognitive neural mechanism of musical memory: A study based on EEG >, sponsored by undergraduate research fellowship

➢ Chair an independent EEG data analysis program on a sample of above 400 subjects from a gene-project (Ongoing) and mentor other students (including master students) on how to analyze EEG data.

➢ Gained skills in EEG study (design and perform experiment, programming in Matlab PTB and EEGlab, data analysis)

➢ Gained experience in cognitive neuroscience about memory and learning, how to develop a proposal, how to write thesis

2019.3-Present	**Research Assistant**

Chang China Lab
Principle Investigator: Professor Edward C. Chang, Ph.D.,
School of Psychology, University of Michigan, Ann Arbor, MI, USA
➢ Research on how negative emotions may benefit people instead of narrowing our views and having bad influences, and developing a measure about it (ongoing)
➢ Research on the relationship between self-destructive behaviors and loneliness (already submitted to the 22th Chinese National Academic Congress of Psychology)
➢ Research on suicidal behaviors and Broaden and Build Theory (and working on two manuscripts which will be submitted soon)
➢ Gained experience in thesis writing, developing an research idea and measurements.

2018.2-2019.7   **Research Assistant**
Personality and society Lab
Principle Investigator: Professor Fang Wang, Ph.D.,
School of Psychology, Beijing Normal University, Beijing, China
➢ Research on developing a literature review about recent progress in geographical psychology (ongoing)
➢ Gained experience in idea development, literature review

2018.9-2019.2   **Research Assistant**
Aging Lab
Principle Investigator: Professor Dahua Wang, Ph.D.,
School of Psychology, Beijing Normal University, Beijing, China
➢ Gained skills in SPSS data analysis (moderation model, mediation model, multiple regression)
➢ Gained experience in idea development, literature review, prospective intervention design, working with elderly people.

Leadership Experience

2017.9 – 2018.9   Minister of Department of Public Relations, Student Union of Faculty of Psychology,
➢ Sought Sponsorships to support student activities
➢ Associated both all departments of Student Union and other universities' Student Union to organize student events.

Skills

Programming
✓ proficient in Matlab (also PTB), C, Eprime, Inquisite
✓ basic Python (also psychopy)

Data analysis
- ✓ proficient in Matlab (eeglab, fieldtrip), SPSS (also PROCESS)
- ✓ basic Python (also psychopy), R

Research methodologies
- ✓ proficient in online survey, field survey, lab experiment (computers based), EEG(bisosemi and neuroscan)
- ✓ basic fMRI

Language
- ✓ English (fluent, CET651, TOEFL102)
- ✓ Mandarin Chineses (native)

Others
- ✓ Proficient with Word, PowerPoint, Excel
- ✓ Edit music pieces with Logic Pro, GarageBand, Mp3gain

Professional References

Edward C. Chang, Ph.D.
Professor of Psychology
Department of Psychology
East Hall 2263
530 Church Street
University of Michigan
Ann Arbor, MI 48109
Tel: 734-647-3876
Email: changec@umich.edu

Gui Xue, Ph.D.
PI of State Key Laboratory
of Cognitive Neuroscience
and Learning
Yingdong Building 404
No. 19 Xinjiekouwai Street
Beijing Normal University
No. 19 Xinjiekouwai Street
Beijing Normal University
Beijing, 100875
Tel: +86 010-58801859
Email: guixue@gmail.com