

Siyu(Valerie) Lai

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Education

2017.9-Present Beijing Normal University, P.R. China
Major: Psychology
Cum GPA: 3.84/4.00
Major GPA: 3.86/4.00

Academic and Professional Honors, Awards, and Distinctions

2019 First Prize of Extracurricular Academic & Scientific Works Competition (Top 5%), 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 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, U.S.
➤ 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, Inquisit
- ✓ basic Python (also psychopy)
- ✓ basic machine learning analysis using R

Data analysis

- ✓ proficient in Matlab (also 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 Chinese (native)

Others

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

Professional References

Edward C. Chang, Ph.D.
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Department of Psychology
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University of Michigan
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Gui Xue, Ph.D.
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