

## Siyu(Valerie) Lai

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### Education

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2017.9-Present      Beijing Normal University, P.R. China  
Major: Psychology  
Cum GPA: 3.85/4.00  
Major GPA: 3.88/4.00

### Academic and Professional Honors, Awards, and Distinctions

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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

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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

- 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
- 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**

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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**

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### **Programming**

- ✓ proficient in Matlab (also PTB), C, Eprime, Inquisit
- ✓ Python (also Psychopy, Pygame)
- ✓ machine learning (taken at Coursera) & basic knowledge about RL, DNN

### **Data analysis**

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

### **Research methodologies**

- ✓ proficient in online survey, field survey, lab experiment (computer-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**

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Edward C. Chang, Ph.D.  
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Department of Psychology  
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University of Michigan  
Ann Arbor, MI 48109  
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Gui Xue, Ph.D.  
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