YICONG (ALAN) ZHENG

yiczheng@ucdavis.edu | +86 189-0604-0430
http://zycyc.github.io

EDUCATION

Department of Psychology, University of California, Davis (UCD) — Davis, CA
Psychology PhD student — Sep 2020 – Present
- Courses: Statistics, Memory Meeting, Brownbag Meeting in PCCN

School of Psychology, Beijing Normal University (BNU) — Beijing, China
B.S. Psychology — Sep 2016 – Jun 2020
- GPA: 88.59/100.00
- Selected Awards: First Prize Scholarship (Top 10%; 2016-17), Second Prize Scholarship (Top 20%; 2017-18), Undergraduate Research Grant (2017-18; 2018-19), First Prize in BNU Research Thesis Award (Top 5%; 2018-19)

Department of Psychology, University of California, Berkeley (UCB) — Berkeley, CA
Exchange student — Jan – Jun 2019
- GPA: 4.0/4.0
- Courses: Introduction to Western Music Discussion, Computational Models of Cognition, GRE prep, Structure and Interpretation of Computer Programs

WORK AND RESEARCH EXPERIENCE

University of California, Davis (UCD) — Davis, CA
Dynamic Memory Lab & CCN Lab (PI: Prof. Charan Ranganath & Prof. Randall O'Reilly) — Jun 2019 – Present
Graduate Student
- Led the Temporal Sequence project examining different roles of theta/alpha/beta oscillations in temporal sequence learning in schizophrenia patients
- Led the project of building a computational model to understanding AB/AC paradigm and testing effect paradigm in memory field.

University of California, Davis (UCD) — Davis, CA
Dynamic Memory Lab (PI: Prof. Charan Ranganath) — Jun 2019 – Mar 2020
Research Assistant
- Led the Temporal Sequence project examining different roles of theta/alpha/beta oscillations in temporal sequence learning in schizophrenia patients; supervised by Prof. Charan Ranganath and Prof. Daniel Ragland
- Led the project of building a computational model for the Temporal Sequence study using the Leabra; supervised by Prof. Randall O'Reilly
- Organized EEG preprocessing pipeline in MATLAB using EEGLAB *(Available here)*

University of California, Berkeley (UCB) — Berkeley, CA
The Whitney Lab (PI: Prof. David Whitney) — Jan 2019 – Jun 2019
Research Assistant
- Assisted the study of the underlying mechanism of object stabilization under Prof. William Prinzmetal's supervision, specifically how "serial dependence" contributes to stabilize our perception across time, with different kinds of features and under various modalities *(Read more about it here.)*
- Wrote the experiment program using Python PsychoPy, conducted behavioral experiments (online data collection included), assisted data analysis using Python

Beijing Normal University (BNU) — Beijing, China
The Center for Brain and Cognitive Learning Sciences (PI: Prof. Gui Xue) — Mar 2017 – Jun 2020

Research Assistant / Project Leader

- Led the project, "Musical Sequence Memory of the Human Brain: A Study Based on EEG" under Prof. Gui Xue's supervision, which studies the Event Related Potential (ERP) of human sequential memory of music
- Wrote the experiment program using MATLAB Psychtoolbox, made musical materials using Logic Pro X, conducted behavioral and EEG experiments, analyzed EEG data using EEGLAB

PUBLICATION

- **Zheng, Y.** *, Liu, X. L. *, Hsieh, L. T., Hurtado, M., Wang, Y., Niendam, T. A., ... & Ragland, J. D. (2021). Disrupted Modulation of Alpha and Low Beta Oscillations Mediates Temporal Sequence Memory Deficits in People with Schizophrenia. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging.

  * These authors contributed equally to this work

CONFERENCE PRESENTATIONS

- Liu, X. L.*, **Zheng, Y**.*, Ranganath, C., Niendam, T. A., Carter, C. S., & Ragland, J. D. (April, 2020). Low Frequency Neural Oscillations Associated with Deficits in Sequence Learning in People with Schizophrenia. Abstract submitted to the Society of Biological Psychiatry Annual Meeting, New York, NY, USA.

  * These authors contributed equally to this work

LANGUAGE AND PROFESSIONAL SKILLS

- Computer skills: MATLAB, Psychtoolbox, Python, PsychoPy, R, Go, C, HTML, LaTeX, SPSS
- Online data collecting experience: Qualtrics, Pavlovia
- Languages: Chinese (native), English (fluent)
- GRE: V 159, Q 167, Writing 4 (Total 326/340 + 4/6)
- TOEFL: Reading 27, Listening 27, Speaking 27, Writing 27 (Total 108/120)

LEADERSHIP AND COMMUNITY ACTIVITIES

Xinmiao Xinhua Psychology — Beijing, China
Counseling Intern — Mar – Jun 2018

- Studied techniques of counseling including sandplay therapy and imagery dialogue therapy
- Participated in counseling simulations under supervision of psychological therapists

Official Popular Science Account of School of Psychology — Beijing, China
Zhihu (Chinese Quora) Leader — Apr 2017 – Dec 2018

- Ran official psychological popular science account of School of Psychology, BNU
- Wrote psychological popular science articles and replied to backstage messages
- Attained over 361,000 follows

Volunteer Teacher for After-School Program — Beijing, China
Psychological Counseling Teacher — Sep 2016 – Jan 2017

- Participated in voluntary counseling in Changying Party–Masses Community
- Taught children simple knowledge of psychology and healthy physical activity