

# Ruijie Xu

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## Education

University of Electronic Science and Technology of China (UESTC)

BS in EE

Oct. 2019 - now

GPA: 3.78

## Related Curriculum

**Basic Courses:** Calculus(90), Programming(86), Engineering English(85)

**Specialized Courses:** Digital Signal Processing(89), Embedded Processors(95)

**Research Curriculum** Cognitive Neuroscience(89), Anatomical Basis(90)

## Technical Skills

**Programming** Matlab, C, Python, R, HTML

**Professional Softwares** EEGLAB, BrainStorm, MRICron, Endnote

**Drawing & Typesetting** Photoshop, Office, L<sup>A</sup>T<sub>E</sub>X

## Publications

- [1] **Junce Wang\***, **Ruijie Xu\***, Xiaolong Guo, et al. "Different music training modulates theta brain oscillations as-sociated with executive function" *Brain Sciences*, 2022.(At Press) [\[Detail\]](#)
- [2] **Ruijie Xu**, Junchen Zhou, Siqi Liu, et al. "The Neural Asymmetry Deviations between Guitarists and Pianists ," 2021. Accepted by *OHBM* (Conference Abstract) [\[Detail\]](#)
- [3] **Ruijie Xu**, Junce Wang, Xiaolong Guo, et al. "Piano training modulates theta oscillations on executive control " 2022. Accepted by *National Academic Conference of Psychology* (Conference Abstract) [\[Detail\]](#)
- [4] **Junce Wang**, Ruijie Xu, Binxin Wang, et al. "Brain wave music influences fatigue: effect and mechanism " 2021. Accepted by *CSMT* (Conference Abstract)

## Research Projects and Programs

### Research on Cognitive Neuroscience

A Research about musicians including 60 participants

Mar. 2021 - Aug. 2022

### Team Design and Project Skills (TDPS)

Build Robotic Rover Completing Tasks by Ten Student Team

Mar. 2022 - July. 2022

### Project-based Learning Program

Course about Big Data and Public Health by Prof.Ramezani from UCLA

Jun. 2022 - Aug. 2022

### Brain Scientific Research Training

A Training Program about Neuroscience including curriculum and laboratory

Dec. 2020 - Now

## Awards and Honors

Oct.2020

**Scholarship:** " Exellent Student Scholarship"

Mar.2021-2022

**Contest:** First Prize in "College Students Innovation and Entrepreneurship Competition"

Jun.2022

**Honorary Title:** "Liren Class No.18 Qualification"

## References

- Prof. Jing Lu  
Ph. D, Professor, at School of Life Science and Technology, UESTC, Chengdu, China  
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