

Kai Xue

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EDUCATION

- Ph.D. in Psychology** 08/2022–present
Georgia Institute of Technology, Atlanta
- B.S. In Psychobiology** 02/2016–12/2019
University of California, Los Angeles (UCLA), Los Angeles

RESEARCH EXPERIENCE

- Rahnev Lab** 07/2020-Present
Georgia Institute of Technology | Lab manager -> Ph.D. Student
PI: Dobromir Rahnev
- The Computational Vision and Learning Lab** 02/2019-06/2020
University of California, Los Angeles (UCLA) | Research Assistant
PI: Hongjing Lu
- Computational Social Neuroscience Lab** 05/2019-06/2020
University of California, Los Angeles (UCLA) | Research Assistant
PI: Carolyn Parkinson
- Cognition and Emotion Laboratory** 09/2017 - 07/2018
The University of Hong Kong (HKU) | Research Assistant
PI: Barbara Lo

PUBLICATIONS

- **Xue, K.,** Shekhar, M., & Rahnev, D. (2021). Examining the robustness of the relationship between metacognitive efficiency and metacognitive bias. *Consciousness and Cognition*.
- **Xue, K.,** Zheng, Y., Rafiei, F. & Rahnev, D. (2023). The timing of confidence computation in human prefrontal cortex. *Cortex*.
- Nakuci, J., Yeon, J., **Xue, K.,** Kim, JH., Kim, SP., Rahnev, D. (submitted). Idiosyncratic relationship between human brain activity and behavior.
- Gao, Y., **Xue, K.,** Odegaard, B., & Rahnev, D. (submitted). Common computations between automatic cue combination and metacognitive confidence judgments.
- **Xue, K.,** Shekhar, M., & Rahnev, D. (submitted). Challenging the Bayesian confidence hypothesis.
- **Xue, K.,** Zheng, Y. & Rahnev, D. (submitted) No gender difference in confidence or metacognitive ability for perception or memory tasks.
- **Xue, K.,** Shekhar, M., & Rahnev, D. (in prep) A novel behavioral paradigm reveals the nature of confidence computation in perceptual decision making

CONFERENCE

- **Xue, K.,** Shekhar, M., & Rahnev, D. Challenging the Bayesian confidence hypothesis (VSS), May 2023
- **Xue, K.,** Shekhar, M., & Rahnev, D. Examining the robustness of the relationship between metacognitive efficiency and metacognitive bias (VSS), May 2021

SKILLS

- Software: SPSS, Artech, Maya, JASP, Audacity

- Programming Languages: MATLAB, Python, HTML, R