

# Siyi Gong

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Department of Communication, UCLA, 405 Hilgard Avenue, 90095

## EDUCATION

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**University of California, Los Angeles**

*PhD; Communication*

- Advisor: Tao Gao
- Research Interests: Social intelligence; Shared agency; Communicational intention; Innovation

**Los Angeles, California**

*September 2022 - Present*

**University of California, Los Angeles**

*Bachelor of Science; Cognitive Science*

- Minor in Asian Languages
- Summa Cum Laude

**Los Angeles, California**

*September 2018 - June 2022*

## PUBLICATION

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Gong, S., Jiang, K., Li, J., Karadanaian, M., Meng, Z., Gao, T. **Communicating through Acting: The Role of Contextual Affordance in Intuitive Mimetic Gestural Communication**. Submitted.

Li, Zhen., Tang, N., Gong, S., Zhou, J., Shen, M., Gao, T. **Perceptual Gestalt as Focal Point in the Strategy of Conflicts**. Submitted.

Tang, N., Gong, S., Zhao, M., Zhou, J., Shen, M., Gao, T. **Joint Commitment in Human Cooperative Hunting through an “Imagined We”**. Submitted.

Tang, N., Gong, S., Zhou, J., Shen, M., & Gao, T. (2023). **Generative Visual Common Sense: Testing Analysis-by-synthesis on Mondrian-style Image**. *Journal of Experimental Psychology: General*.

Stacy, S.\*, Gong, S.\*, Parab A., Zhao, M., Jiang, K., & Gao, T. (2023). **A Bayesian Theory of Mind Approach to Modeling Cooperation and Communication**. *Wiley Interdisciplinary Reviews: Computational Statistics*, e1631. (\* joint first author)

## PROCEEDINGS & CONFERENCES

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Gong, S., Tang, N., Zhao, M., Zhou, J., Shen, M., & Gao, T. (2024). **Joint Commitment in Human Cooperative Hunting through an “Imagined We”**. **Talk** presented at the Vision Sciences Society 2024: Perception of Relations, Intuitive Physics, Florida, United States.

Tang, N., Gong, S., Zhao, M., Gu, C., Zhou, J., Shen, M., & Gao, T. (2022). *Exploring an imagined “we” in human collective hunting: Joint commitment within shared intentionality* [**Talk**]. In Proceedings of the annual meeting of the cognitive science society (Vol. 44, No. 44).

Li, Z., Tang, N., Gong, S., Zhou, J., Shen, M. & Gao, T. (2022, July 27-30). *Perceptual Grouping for War and Peace*. [**Flashtalk**]. Cogsci 2022: Perception2, Toronto, Canada.

Tang, N., Gong, S., Zhao, M., Gu, C., Zhou, J., Shen, M., & Gao, T. (2022, June 27 - July 1). *Exploring an Imagined “We” in Collective Hunting: Joint Commitment within Shared Intentionality* [**Spotlight**]. RSS 2022: Social Intelligence in Humans and Robots, New York City, United States.

Zhao, M., Gong, S., Stacy, S., & Gao, T. (2022, June 8-11). *Shared Agency Versus Sharing Rewards: On the Jointness of Multi-agent Cooperation Modeling*. RLDM 2022: RL as a Model of Agency, Rhode Island, United States.

Jiang, K., **Gong, S.**, Jiang, B., Stacy, S., Sadaghdar, A., & Gao, T. (2022, June 8-11). *Tell Me What to Do: Reinforcement Learning Contributes to Modeling Human Communication but Is not All You Need*. RLDM 2022: RL as a Model of Agency, Rhode Island, United States.

Tang, N., **Gong, S.**, Liao, Z., Xu, H., Zhou, J., Shen, M. & Gao, T. (2021). *Jointly Perceiving Physics and Mind: Motion, Force, and Intention [Talk]*. In Proceedings of the Annual Meeting of the Cognitive Science Society (Vol. 43, No. 43).

## **AWARDS & HONORS**

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Scholarship, Summer Institutes of Computational Social Science-Beijing, 2024. Awarded for outstanding presentation of group project “Revisiting the Role of Self-esteem in Eliciting Cognitive Dissonance Using Simulated LLM Agents.”

## **TEACHING**

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Artificial Intelligence and Society (2023 Fall; 2024 Spring)

Communication Science (c)

Intimate Relationship (2024 Summer)

Elementary Modern Japanese 1 (2024 Fall)

Elementary Modern Japanese 2 (2025 Winter)

## **SKILLS**

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|---------------------|---|
| • Programming       | Python, R, Javascript, HTML, C++                    |
| • Software & Tools  | Adobe CC, LATEX, Numpy, Matplotlib, Rxjs, Socket.io |
| • Natural languages | Mandarin Chinese; English; Japanese; Korean         |