Shuwen Qiu

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<tr><td>CONTACT
INFORMATION</td><td>3878 Slichter Hall
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EDUCATION

University of California, Los Angeles, CA, USA 09/2020 - 12/2024 (expected)
Ph.D. in Computer Science

University of California, Los Angeles, CA, USA 09/2018 - 06/2020
Master of Science in Computer Science
GPA:3.94/4.00

Beijing University of Posts and Telecommunications, Beijing, China 09/2014 - 06/2018
B.S. in Communication Engineering
GPA: 91.44/100.00

RESEARCH
EXPERIENCE

Center for Vision, Cognition, Learning and Autonomy, UCLA 09/2018 - present
Graduate Student Researcher *Advisor: Song-Chun Zhu*
- Cooperation and Communication Mechanisms: the emergent graphical convention in a visual communication game
- Theory of Mind: human mental state inference in RGBD videos and dialogues
- Pragmatics: Implicature reasoning in dialogues
- HRI: Human-robot interaction in the shared augmented workspace

Google, USA 10/2022 - 03/2023
Student researcher *Manager: Ethan Liang*
- Retrieval-augmented multimodal dialogue generation

Amazon, USA 06/2022 - 09/2022
Applied Scientist Intern *Manager: Prateek Singhal*
- Multimodal emotion recognition

Amazon, USA 06/2021 - 10/2021
Applied Scientist Intern *Manager: Anurag Beniwal*
- Self-supervised learning for sequential recommendation

Airdoc Research Group, China 07/2018 - 09/2018
Research Intern *Advisor: Xin Zhao*
- Domain adaption for fundus image diagnosis

The Computational Vision and Learning Lab, UCLA 07/2017 - 09/2017
Cross-Disciplinary Scholars in Science and Technology (CSST) Program *Advisor: Hongjing Lu*
- Stimuli preparation and subject data analysis for human handshake awkwardness

Patter Recognition & Intelligent System Lab, BUPT 05/2017 - 06/2018
Research Assistant *Advisor: Weihong Deng*
- Domain adaption to enhance robustness for deep local feature descriptors

PUBLICATIONS	(* indicates equal contribution)

Qiu, Shuwen, Song-Chun Zhu, and Zilong Zheng. MindDial: Belief Dynamics Tracking with Theory-of-Mind Modeling for Situated Neural Dialogue Generation. First Workshop on Theory of Mind in Communicating Agents (2023).

Qiu, Shuwen, Nitesh Sekhar, and Prateek Singhal. Topic and Style-aware Transformer for Multimodal Emotion Recognition. Findings of the Association for Computational Linguistics (ACL-IJCNLP) (2023).

Qiu, Shuwen*, Sirui Xie*, Lifeng Fan, Tao Gao, Jungseock Joo, Song-Chun Zhu, and Yixin Zhu. Emergent Graphical Conventions in a Visual Communication Game. Advances in Neural Information Processing Systems (NeurIPS) (2022).

Zheng, Zilong, Shuwen Qiu, Lifeng Fan, Yixin Zhu, and Song-Chun Zhu. GRICE: A Grammar-based Dataset for Recovering Implicature and Conversational rEasoning. Findings of the Association for Computational Linguistics (ACL-IJCNLP) (2021)

Fan, Lifeng*, Shuwen Qiu*, Zilong Zheng, Tao Gao, Song-Chun Zhu and Yixin Zhu. Learning Triadic Belief Dynamics in Nonverbal Communication from Videos. IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (2021)(Oral)

Qiu, Shuwen*, Hangxin Liu*, Zeyu Zhang, Yixin Zhu, and Song-Chun Zhu. Human-Robot Interaction in a Shared Augmented Reality Workspace. International Conference on Intelligent Robots and Systems (IROS) (2020)

Kadambi, Akila, Nicholas Ichien, Shuwen Qiu, and Hongjing Lu. Understanding the visual perception of awkward body movements: How interactions go awry. Attention, Perception, & Psychophysics (2020)

Qiu, Shuwen, and Weihong Deng. Deep local descriptors with domain adaptation. In Chinese Conference on Pattern Recognition and Computer Vision (PRCV). Springer, Cham, 2018.

PROFESSIONAL SERVICE	Reviewer for Advances in Neural Information Processing Systems (NeurIPS) 2023

Reviewer for Empirical Methods in Natural Language Processing (EMNLP) 2023

TEACHING EXPERIENCE	**University of California, Los Angeles, Department of Computer Science**

COM SCI CM122/222: Algorithms in Bioinformatics	Spring 2023
- Teaching Fellow	

COM SCI M152A: Introductory Digital Design Laboratory	Winter 2022
- Teaching Associate	

COM SCI M51A: Logic Design of Digital Systems	Fall 2021
- Teaching Associate	

University of California, Los Angeles, Department of Communication

Comm 155: Artificial Intelligence and New Media	Spring 2021
- Teaching Associate	

Comm 188C: Introduction to Data Science	Winter 2021

- Teaching Assistant

University of California, Los Angeles, Department of Psychology

Psych 186A: Cognitive Science Laboratory: Introduction to Theory and Simulation   Fall 2020
- Teaching Assistant

Psych 186A: Cognitive Science Laboratory: Introduction to Theory and Simulation   Spring 2020
- Teaching Assistant

PROGRAMMING LANGUAGES	C/C++, C#, Python, MATLAB, LaTeX, HTML
DEEP LEARNING FRAMEWORKS	Pytorch, Tensorflow