Weiwei Gu

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EDUCATION

Arizona State University, *Sep.2022-May.2027(expected)*
Ph.D. in Computer Science
Advisor: Prof. Nakul Gopalan

University of Rochester *Sept.2020-May.2022*
M.S. in Computer Science

Bucknell University, *Sept.2016-Jun.2020*
B.S. in Computer Science, B.A. in Mathematics

WORK EXPERIENCE

Arizona State University, *Graduate Research Assistant* *Jan.2023-present*

- Constructed a system that can adapt and learn novel skills from dialogue with the human user, and conducted a human-subjects study to validate the system.
- Developed multi-task policy that can continually acquire novel skills from only a few demonstrations, and does not forget any existing skill.
- Developed a method that enables robots to learn visual tasks and concepts from interactions with human, and conducted a human-subjects study to validate the method.
- Developed a method that can segment robot trajectories conditioned on linguistic descriptions.

University of Rochester, *Graduate Research Assistant* *May.2021-Jun.2022*
Supervisor: Prof. Aaron White

- Conducted an empirical study on 3 span-finding methods across 5 information extraction tasks.
- Developed a method that iteratively extracts templates from text using imitation learning.
- Conducted an experiment to study ensembling models in question answering.

PUBLICATIONS

[1] **Weiwei Gu**, Anant Sah, and Nakul Gopalan. "Interactive Visual Task Learning for Robots". In: *Proceedings of the AAAI Conference on Artificial Intelligence* 38.9 (Mar. 2024), pp. 10297–10305.

[2] Yunmo Chen, William Gantt, **Weiwei Gu**, Tongfei Chen, Aaron White, and Benjamin Van Durme. "Iterative Document-level Information Extraction via Imitation Learning". In: *Proceedings of the 17th Conference of the European Chapter of the Association for Computational Linguistics.* Association for Computational Linguistics, May 2023, pp. 1858–1874.

[3] **Weiwei Gu**, Boyuan Zheng, Yunmo Chen, Tongfei Chen, and Benjamin Van Durme. "An Empirical Study on Finding Spans". In: *Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing.* Association for Computational Linguistics, Dec. 2022, pp. 3976–3983.

SKILLS

Programming Languages	Python, C/C++, Java, R, MATLAB, MySQL
Miscellaneous	ROS, LaTeX, PyTorch, MuJoCo, Coppeliasim