Jiacheng Zhang

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Education

University of Michigan, Ann Arbor — Aug. 2023 – Present
- Ph.D. in Information Science

University of Michigan, Ann Arbor — Aug. 2021 – May.2023
- Bachelor of Science in Engineering in Computer Science (Dual Degree) | Minor. Statistics

Shanghai Jiao Tong University — Sep. 2019 – Aug. 2023
- Bachelor of Science in Engineering in Electrical & Computer Engineering (Dual Degree)

Publication

- Fengyu Yang, **Jiacheng Zhang**, Andrew Owens. "Generating Visual Scenes from Touch" (ICCV2023)
- Fengyu Yang*, Chenyang Ma*, **Jiacheng Zhang**, Jing Zhu, Wenzhen Yuan, Andrew Owens. "Touch and Go: Learning from Human-Collected Vision and Touch" (NeurIPS2022)
- Weihao Chen, Xiaoyu Liu, **Jiacheng Zhang**, Ian Iong Lam, Zhicheng Huang, Rui Dong, Xinyu Wang, Tianyi Zhang. "Mixed-Initiative Web Automation for Better User Control and Confidence" (UIST2023)

Research Experience

Graduate Student Research Assistant — Aug. 2023 – Present
Advisor: Prof. Steve Oney

Research Assistant, Summer Undergraduate Research in Engineering (SURE) — May. 2022 – Sep. 2022
Advisor: Prof. Xinyu Wang, Prof. Tianyi Zhang
- Designed a web automation system to intelligently scrape web content based on a small set of user demonstrations.
- Developed a front-end tool using JavaScript to support users' fine-grained control over the web automation process.
- Collaborated with the back-end team to execute synthesized programs on the webpages.

Research Assistant, Owens Lab — Apr. 2022 – Aug. 2023
Advisor: Prof. Andrew Owens
- Established a dataset of real-world visual and touch data that enables diverse visuo-tactile learning.
- Applied the dataset to a variety of machine learning tasks to demonstrate the effectiveness of the dataset.

Student Researcher, HAPLAB (Multidisciplinary Design Program) — Jan. 2022 – May. 2023
- Collected and analyzed breathing data to understand how breathing affects piano keyboard performance.
- Visualized real-time breathing data to increase performers' ability to positively adjust their breathing patterns.

Professional Experience

UnionPay Advisors — **Shanghai, China**
Software Engineer Internship — Dec. 2020 – Feb. 2021
- Completed data testing for a business data analysis platform using Ruby and JavaScript.
- Designed and developed a human resources management system using Django**.**

Extracurricular Activities and Services

University of Michigan — **Ann Arbor, Michigan**
Member, Michigan Student Artificial Intelligence Lab — Jan. 2022 – Present
- Attend and present at weekly reading group talks on artificial intelligence research.

Reviewer, NeurIPS 2022 Datasets and Benchmarks — Aug. 2022
- Reviewed papers from NeurIPS 2022 Datasets and Benchmarks and participated in reviewer discussions.

Honors and Awards

- Dean's List (2021, 2022)
- University Honors (2021, 2022)
- Second Prize of Qian Xue Sen Science and Technology Contest at Shanghai Jiao Tong University (2021)
- Best Technology Award of UMJI 2019 Winter Expo
- Winning Prize of China-US Young Maker Competition at Shanghai Jiao Tong University