

Jiacheng Zhang

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Education

University of Michigan, Ann Arbor

Aug. 2021 – May. 2023

- Bachelor of Science in Engineering in Computer Science
- GPA: 3.96/4.0
- Relevant Coursework: Web Systems, Deep Learning in Computer Vision, Conversational AI

Shanghai Jiao Tong University

Sep. 2019 – Aug. 2023

- Bachelor of Science in Engineering in Electrical & Computer Engineering

Technical Skills

- **Programming Skills:** Python, C++, JavaScript, SQL, Matlab, RStudio, Java
- **Framework:** React, Flask, PyTorch, TensorFlow, SQLite

Publication

- Fengyu Yang*, Chenyang Ma*, **Jiacheng Zhang**, Jing Zhu, Wenzhen Yuan, Andrew Owens. “Touch and Go: Learning from Human-Collected Vision and Touch” (NeurIPS2022 Datasets and Benchmarks)
- 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” (CHI2023 Under Review)

Research Experience

Mixed-Initiative Web Automation for Better User Control and Confidence

May. 2022 – Sep. 2022

Research Assistant, Summer Undergraduate Research in Engineering (SURE)

Advisor: Prof. Xinyu Wang, Prof. Tianyi Zhang

- Developed frontend using **Javascript** and **React.js** to facilitate web automation and build better user confidence.
- Collaborated with backend team to execute synthesized program on webpages.

Touch and Go: Learning from Human-Collected Vision and Touch

March. 2022 – Present

Research Assistant, Owens Lab

Advisor: Prof. Andrew Owens

- Established a visual-tactile dataset with real-world objects which enables diverse vision and touch learning applications beyond robotic domains.
- Applied the dataset to a variety of machine learning tasks to demonstrate the effectiveness of the dataset.

2Inspire Project

Jan. 2022 – Present

Student Researcher, HAPLAB (Multidisciplinary Design Program)

- Collect and analyze breathing data using **Python**, **Matlab** and **openFrameworks** to understand how breathing affects keyboard performance.

Industry 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 **JavaScript**.

Extracurricular Activities and Services

University of Michigan

Ann Arbor, Michigan

Member, Michigan Student Artificial Intelligence Lab

Jan. 2022 – Present

- Attend weekly reading group talk on artificial intelligence research.

Reviewer, NeurIPS 2022 Datasets and Benchmarks

Aug. 2022

- Reviewed assigned papers from NeurIPS 2022 Datasets and Benchmarks and participated in reviewer discussion.

Honors and Awards

- Dean’s List (2021, 2022)
- Second Prize of Qian Xue Sen Science and Technology Contest in Shanghai Jiao Tong University (2021)