Yeping Wang

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EDUCATION

Ph.D. in Computer Science   August 2020 - May 2026 (expected)
University of Wisconsin-Madison, Madison, WI   GPA: 3.93/4.0
Research Advisor: Michael Gleicher

M.S.E. in Robotics   August 2018 - May 2020
Johns Hopkins University, Baltimore, MD   GPA: 3.97/4.0
Research Advisor: Chien-Ming Huang

B.E. in Mechanical Engineering   September 2014 - June 2018
South China University of Technology, Guangzhou, China   GPA: 3.88/4.0

EXPERIENCES

Meta Reality Labs   August 2025 - January 2026
Research Scientist Intern   Redmond, WA
Mentors: Nicholas Colonnese and Sonny Chan
Project: Learning-based Compliant Manipulation

Amazon Robotics   May - August 2025
Applied Scientist II Intern   Seattle, WA
Mentors: Mustafa Mukadam and Asif Rana
Project: Warehouse Manipulation on the Vulcan Robot

MERL (Mitsubishi Electric Research Laboratories)   January - April 2025
Research Intern   Cambridge, MA
Mentors: Stefano Di Cairano (IEEE Fellow) and Alexander Schperberg
Project: Whole-Body Admittance Control of a Quadruped Manipulator

University of Wisconsin-Madison   August 2020 - May 2021
Teaching Assistant   Madison, WI
Courses: CS559 Computer Graphics & CS400 Programming III

Johns Hopkins University   January - May 2019
Course Assistant   Baltimore, MD
Course: CS 482/682 Deep Learning

University of Alberta   June - September 2016
Summer Research Intern   Edmonton, Canada
Mentor: Ahmed Qureshi

PUBLICATIONS

Peer-Reviewed Conference Papers

ICRA'25	**Yeping Wang**, Michael Gleicher (2025) Hierarchically Accelerated Coverage Path Planning for Redundant Manipulators *IEEE International Conference on Robotics and Automation (ICRA)*. Acceptance Rate 39%
ICRA'24	**Yeping Wang**, Carter Sifferman, Michael Gleicher (2024) *IKLink*: End-Effector Trajectory Tracking with Minimal Reconfigurations *IEEE International Conference on Robotics and Automation (ICRA)*. Acceptance Rate 43%
ICRA'23	**Yeping Wang**, Pragathi Praveena, Daniel Rakita, Michael Gleicher (2023) *RangedIK*: An Optimization-Based Robot Motion Generation Method for Ranged-Goal Tasks *IEEE International Conference on Robotics and Automation (ICRA)*. Acceptance Rate 43%

IROS'23	**Yeping Wang**, Carter Sifferman, Michael Gleicher (2023)
	Exploiting Task Tolerances in Mimicry-based Telemanipulation
	IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS). Acceptance Rate 43%

HRI'22	Pragathi Praveena, Luis Molina, **Yeping Wang**, Emmanuel Senft, Bilge Mutlu, Michael Gleicher
	Understanding Control Frames in Multi-Camera Robot Telemanipulation
	ACM/IEEE International Conference on Human-Robot Interaction (HRI). Acceptance Rate 25%

HRI'20	**Yeping Wang**, Gopika Ajaykumar, and Chien-Ming Huang (2020)
	See What I See: Enabling User-Centric Robotic Assistance Using First-Person Demonstrations
	ACM/IEEE International Conference on Human-Robot Interaction (HRI). Acceptance Rate 24%

Peer-Reviewed Journal Articles

RAL'25	**Yeping Wang**, Michael Gleicher (2025)
	Anytime Planning for End-Effector Trajectory Tracking
	IEEE Robotics and Automation Letters (RAL).

RAL'24	**Yeping Wang**, Alexander Peseckis, Zelong Jiang, Michael Gleicher (2024)
	Motion Comparator: Visual Comparison of Robot Motions
	IEEE Robotics and Automation Letters (RAL, ICRA'25)

IA'24	**Yeping Wang**, Pragathi Praveena, Michael Gleicher (2024)
	A Design Space of Control Coordinate Systems in Telemanipulation
	IEEE Access

CSCW'23	Pragathi Praveena, **Yeping Wang**, Bilge Mutlu, Michael Gleicher (2023)
	Periscope: A Robotic Camera System to Support Remote Physical Collaboration
	Proceedings of the ACM on Human-Computer Interaction

RAL'23	Sifferman C., **Yeping Wang**, Mohit Gupta, Michael Gleicher (2023)
	Unlocking the Performance of Proximity Sensors by Utilizing Transient Histograms
	IEEE Robotics and Automation Letters (RAL, ICRA'24)

PM'19	Baltej Rupal*, Khaled Mostafa*, **Yeping Wang***, Ahmed Jawad Quresh (2019)
	A Reverse CAD Approach for Estimating Geometric and Mechanical Behavior of FDM Printed Parts
	Procedia Manufacturing *Equal Contribution

HONORS AND AWARDS

Graduate School's Student Research Grant, University of Wisconsin-Madison		2025
CS Departmental Summer Fellowship, University of Wisconsin-Madison		2021
CS Departmental Scholarship, University of Wisconsin-Madison		2020
Annual 10 Merit Students, South China University of Technology		2017
China National Scholarship, Ministry of Education of the P.R. China		2016
China National Scholarship, Ministry of Education of the P.R. China		2015

TECHNICAL SKILLS

Programming	C++, Python, Rust, JavaScript, MATLAB, Java, HTML, CSS, LaTeX
Frameworks/Tools	ROS 1&2, React, AWS, Git, Docker, Unreal Engine
Libraries	PyTorch, MuJoCo/JAX, Ray, Isaac, MoveIt, Gazebo, NumPy, THREE.js, D3.js
Software	SolidWorks, Blender, ANSYS, Adobe Illustrator, Autodesk AutoCAD and Inventor

PEER REVIEW ACTIVITIES

IEEE Transactions on Robotics (TRO)	2025
IEEE Robotics and Automation Letters (RAL)	2024, 2025

IEEE International Conference on Robotics and Automation (ICRA)	2024, 2025, 2026
IEEE Transactions on Automation Science and Engineering (T-ASE)	2025
IEEE/ACM International Conference on Human-Robot Interaction (HRI)	2025
IEEE International Conference on Automation Science and Engineering (CASE)	2025
IEEE World Haptics Conference (WHC)	2025
Workshop on the Algorithmic Foundations of Robotics (WAFR)	2024
IEEE Transactions on Visualization and Computer Graphics (TVCG)	2023