Yeping Wang

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Education

Ph.D. in Computer Sciences — August 2020 - May 2026 (expect)
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
Mentor: Sonny Chan

Amazon Robotics — May - August 2025
Applied Scientist II Intern — Seattle, WA
Mentors: Mustafa Mukadam and Asif Rana
Project: Imitation Learning 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/C++, Python, Rust, JavaScript, MATLAB, HTML, CSS, LaTeX
Frameworks/Libraries	ROS 1/2, PyTorch, Mujoco, Isaac, MoveIt!, ACADO, Git, Docker, THREE.js, D3.js
Software	Adobe Illustrator, SolidWorks, ANSYS, AutoCAD, and Inventor

Referee Service

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