

Yeping Wang

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Education

Ph.D. in Computer Sciences

University of Wisconsin–Madison, Madison, WI
Research Advisor: Michael Gleicher

August 2020 – Present

GPA: 3.93/4.0

M.S.E. in Robotics

Johns Hopkins University, Baltimore, MD
Research Advisor: Chien-Ming Huang

August 2018 – May 2020

GPA: 3.97/4.0

B.E. in Mechanical Engineering

South China University of Technology, Guangzhou, China

September 2014 – June 2018

GPA: 3.88/4.0

Experiences

Meta Reality Labs

Research Scientist Intern
Mentor: Nicholas Colonnese and Sonny Chan

August 2025 – Present

Redmond, WA

Amazon Robotics

Applied Scientist II Intern
Mentors: Mustafa Mukadam and Asif Rana
Project: Imitation Learning on the Vulcan Robot

May – August 2025

Seattle, WA

MERL (Mitsubishi Electric Research Laboratories)

Research Intern
Mentors: Stefano Di Cairano (IEEE Fellow) and Alexander Schperberg
Project: Whole-Body Admittance Control of a Quadruped Manipulator

January – April 2025

Cambridge, MA

University of Wisconsin–Madison

Teaching Assistant
Courses: CS559 Computer Graphics & CS400 Programming III

August 2020 – May 2021

Madison, WI

Johns Hopkins University

Course Assistant
Course: CS 482/682 Deep Learning

January – May 2019

Baltimore, MD

University of Alberta

Summer Research Intern
Mentor: Ahmed Qureshi

June – September 2016

Edmonton, Canada

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%

- Yeping Wang**, Carter Sifferman, Michael Gleicher (2023)
 IROS'23 Exploiting Task Tolerances in Mimicry-based Telemanipulation
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS). Acceptance Rate 43%
- Pragathi Praveena, Luis Molina, **Yeping Wang**, Emmanuel Senft, Bilge Mutlu, Michael Gleicher
 HRI'22 Understanding Control Frames in Multi-Camera Robot Telemanipulation
ACM/IEEE International Conference on Human-Robot Interaction (HRI). Acceptance Rate 25%
- Yeping Wang**, Gopika Ajaykumar, and Chien-Ming Huang (2020)
 HRI'20 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

- Yeping Wang**, Michael Gleicher (2025)
 RAL'25 Anytime Planning for End-Effector Trajectory Tracking
IEEE Robotics and Automation Letters (RAL).
- Yeping Wang**, Alexander Peseckis, Zelong Jiang, Michael Gleicher (2024)
 RAL'24 Motion Comparator: Visual Comparison of Robot Motions
IEEE Robotics and Automation Letters (RAL, ICRA'25)
- Yeping Wang**, Pragathi Praveena, Michael Gleicher (2024)
 IA'24 A Design Space of Control Coordinate Systems in Telemanipulation
IEEE Access
- Pragathi Praveena, **Yeping Wang**, Bilge Mutlu, Michael Gleicher (2023)
 CSCW'23 Periscope: A Robotic Camera System to Support Remote Physical Collaboration
Proceedings of the ACM on Human-Computer Interaction
- Sifferman C., **Yeping Wang**, Mohit Gupta, Michael Gleicher (2023)
 RAL'23 Unlocking the Performance of Proximity Sensors by Utilizing Transient Histograms
IEEE Robotics and Automation Letters (RAL, ICRA'24)
- Baltej Rupal*, Khaled Mostafa*, **Yeping Wang***, Ahmed Jawad Quresh (2019)
 PM'19 A Reverse CAD Approach for Estimating Geometric and Mechanical Behavior of FDM Printed Parts
Procedia Manufacturing *Equal Contribution

Honors and Awards

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

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
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