

# Yeping Wang

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## Education

University of Wisconsin–Madison, Madison, WI  
Ph.D. in Computer Sciences  
Research Advisor: Prof. Michael Gleicher

August 2020 – present  
GPA: 3.93/4.0

Johns Hopkins University, Baltimore, MD  
M.S.E. in Robotics  
Research Advisor: Prof. Chien-Ming Huang

August 2018 – May 2020  
GPA: 3.97/4.0

South China University of Technology, Guangzhou, China  
B.E. in Mechanical Engineering

September 2014–June 2018  
GPA: 3.88/4.0

## Publications

### Peer-Reviewed Conference Papers

- 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'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

## Experiences

Teaching Assistant CS559 Computer Graphics & CS400 Programming III, UW-Madison	August 2020–May 2021 Madison, WI
Course Assistant CS 482/682 Deep Learning, JHU	January–May 2019 Baltimore, MD
Summer Research Intern University of Alberta Mentor: Prof. Ahmed Qureshi	June–September 2016 Edmonton, Canada

## Honors and Awards

CS Departmental Summer RA-ship, 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, HTML, CSS, $\LaTeX$
Frameworks/Libraries	ROS, MoveIt!, PyTorch, OpenCV, ACADO, Git, Docker, THREE.js, D3.js
Software	Adobe Illustrator, SolidWorks, ANSYS, AutoCAD, and Inventor