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: 3.89/4.0

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

3. **Wang, Y.**, Praveena, P., Rakita, D., Gleicher, M. (2023). RangedIK: An Optimization-Based Robot Motion Generation Method for Ranged-Goal Tasks. *2023 IEEE International Conference on Robotics and Automation (ICRA'23)*. Acceptance Rate 43%

2. Praveena, P., Molina, L., **Wang, Y.**, Senft, E., Mutlu, B., Gleicher, M. (2022). Understanding Control Frames in Multi-Camera Robot Telemanipulation. *2022 ACM/IEEE International Conference on Human-Robot Interaction (HRI'22)*. Acceptance Rate 25%

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

Peer-Reviewed Journal Articless

1. Rupal, B.*, Mostafa, K.*, **Wang, Y.***, and Qureshi, A.J. (2019). A Reverse CAD Approach for Estimating Geometric and Mechanical Behavior of FDM Printed Parts. *Procedia Manufacturing*, 34, 535-544. *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

Research Intern
China National Engineering Research Center for Healthcare Devices

May–July 2018
Guangzhou, China

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, JavaScript, MATLAB, HTML, CSS, LaTeX
Frameworks/Libraries ROS, MoveIt!, PyTorch, TensorFlow, OpenCV, ACADO, Git, Docker, THREE.js, D3.js
Software   LabVIEW, ANSYS, SolidWorks, Autodesk AutoCAD, and Inventor