

# 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

4. 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%
3. **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%
2. Huang, Y., **Wang, Y.**, Chen, Y., and Zhang, X. (2019). Design and Analysis of a Series Elastic Component Based on Topology Optimization. IFToMM World Congress on Mechanism and Machine Science. Springer. PI as first author
1. **Wang, Y.**, Chen, Y., Chen, K., Wu, Y., and Huang, Y. (2017). A Flat Torsional Spring with Corrugated Flexible Units for Series Elastic Actuators. IEEE International Conference on Advanced Robotics and Mechatronics, 138–143.

### Peer-Reviewed Journal Articles

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, $\text{\LaTeX}$
Frameworks/Libraries	ROS, MoveIt!, PyTorch, TensorFlow, OpenCV, ACADO, Git, Docker, THREE.js, D3.js
Software	LabVIEW, ANSYS, SolidWorks, Autodesk AutoCAD, and Inventor