Yeping Wang

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Education

Johns Hopkins University, Baltimore, MD   August 2018 - May 2020 (Expected)
M.S.E. in Robotics   GPA: 3.97/4.0
Research Advisor: Prof. Chien-Ming Huang

South China University of Technology, Guangzhou, China   September 2014-June 2018
B.E. in Mechanical Engineering   GPA: 3.88/4.0

Publications

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

Peer-Reviewed Conference Papers

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.

Experiences

Course Assistant   January–May 2019
Computer Science Department, JHU   Baltimore, MD
Mentor: Prof. Mathias Unberath

Research Intern   May–July 2018
China National Engineering Research Center for Healthcare Devices   Guangzhou, China
Designed an unpinned arthroscope punch forceps.

Summer Research Intern   June–September 2016
University of Alberta   Edmonton, Canada
Mentor: Prof. Ahmed Qureshi

Honors and Awards

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