JIAMING ZHANG

Baltimore, Maryland, USA

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EDUCATION

Johns Hopkins University   Baltimore, MD, USA
Ph.D. in Computer Science   Aug. 2023 - present

Johns Hopkins University   Baltimore, MD, USA
M.S.E. in Robotics, GPA 3.76/4.00   Sept. 2021 - Aug. 2023

Huazhong University of Science and Technology   Wuhan, China
B.E. in Mechanical Engineering, GPA: 3.59/4.00   Sept. 2016 - Jun. 2020

SELECTED PUBLICATIONS

Zhang, Jiaming*. An Automatic Arranging Device for PTC Ceramic Heating Chips, *The National Practical Patent, No.CN201920955308.X, June 2019*

Zhang, Jiaming*. SAMM (segment any medical model): A 3d slicer integration to sam. *arXiv preprint, 2023*.

Zhang, Jiaming. SAMME: segment any medical model extended. *SPIE Medical Imaging 2024*.

Zhang, Jiaming*. Realtime Robust Shape Estimation of Deformable Linear Object. *ICRA 2024*

Zhang, Jiaming. GBEC: Geometry-Based Hand-Eye Calibration. *ICRA 2024*

Zhang, Jiaming*. HeaT: Fiducial-free 6-DoF Head Tracking for Neuronavigation. *IPCAI 2025, under review*

(*) first author or co-first author

WORKING EXPERIENCE

Narwal Robotics & HUST-Wuxi Research Institute   Jiangsu, China
Intern Robotics Engineer   Oct. 2020 - May. 2021
Mentor: Dr. Gang Zhang

- Participated in LiDAR-based SLAM development for Robot Vacuum Product
- Solved the problem of hand-eye calibration during robot assembly

ACADEMIC SERVICES

Teaching Assistant for Statistical Learning For Engineers (EN.530.641)   Fall 2022
Teaching Assistant for Robot Motion Planning (EN.530.663)   Spring 2023
Teaching Assistant Kinematics and Dynamics for Robots (EN.535.630)   Fall 2023

Student Reviewer for IEEE ICRA 2025   Fall 2024
Junior Reviewer of IEEE Robotics and Automation Society YRP   March 2024 - present

SCHOLARSHIPS AND AWARDS

2019 **The Scholarship for Scientific Research Innovation of HUST**   Wuhan, China
2020 **Graduate with Honors in HUST**   Wuhan, China