

Bohao Zhang

PHD CANDIDATE · ROBOTICS

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Education

University of Michigan

PHD CANDIDATE IN ROBOTICS

- Advisor: Prof. Ram Vasudevan

Ann Arbor

Aug 2020 - present

University of Michigan

BS IN COMPUTER ENGINEERING

- Minor in Mathematics

Ann Arbor

Aug 2018 - May 2020

Shanghai Jiaotong University

BS IN ELECTRICAL & COMPUTER ENGINEERING

Shanghai

Aug 2016 - Aug 2020

Professional Experience

2019-2020 **Undergraduate Research Assistant**, RoahmLab, University of Michigan

Publications

PUBLISHED

Shreyas Kousik*, **Bohao Zhang***, Pengcheng Zhao*, Ram Vasudevan. 2021. Safe, Optimal, Real-time Trajectory Planning with a Parallel Constrained Bernstein Algorithm. IEEE Transactions on Robotics, vol. 37, no. 3, pp. 815-830.

Patrick Holmes, Shreyas Kousik, **Bohao Zhang**, Daphna Raz, Corina Barbalata, Matthew Johnson-Roberson, Ram Vasudevan. 2020. Reachable Sets for Safe, Real-Time Manipulator Trajectory Design. Robotics: Science and Systems.

IN PREP

Jonathan Michaux, Patrick Holmes, **Bohao Zhang**, Che Chen, Baiyue Wang, Shrey Sahgal, Tiancheng Zhang, Sidhartha Dey, Shreyas Kousik, Ram Vasudevan. 2023. Can't Touch This: Real-Time, Safe Motion Planning and Control for Manipulators Under Uncertainty.

Awards & Fellowships

2018 & 2019 **Dean's list**, University of Michigan

2017 **Honorable Mention**, COMAP Mathematical Contest in Modeling

2016 **John Wu & Jane Sun Outstanding Scholarship**, Shanghai Jiaotong University

Outreach & Professional Development

2022 **Girls in Science and Engineering (WISE GISE) Summer Day Camp**, Mentor

PEER REVIEW

Reviewed one publication for IEEE Transactions on Robotics