

Yuhao Zhou

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EDUCATION	The University of Tokyo M.Eng. in Precision Engineering - <i>Supervisor: Prof. Jun Ota</i>	Tokyo, Japan Oct.2021 - Sep.2023 (Expected)
	Guangdong University of Technology B.Eng. in Electrical Engineering and Automation, GPA: 82% - <i>Supervisor: Prof. Zhifeng Huang</i>	Guangzhou, P.R. China Sep.2016 - Jun.2020
	Nanyang Technological University School of Electrical and Electronic Engineering, GPA: 3.5/5.0	Singapore Jan.2021 - May.2021
	Northeastern University Department of Electrical & Computer Engineering, GPA: 3.33/4.00	Boston, MA, USA Jun.2020 - Aug.2020

EXPERIENCE	Graduate Student Researcher @ Mobile Robotics Laboratory <i>Department of Precision Engineering, the University of Tokyo</i>	Oct.2021 - Present
	Student Researcher @ Jet Power and Humanoid Robot Laboratory <i>School of Automation, Guangdong University of Technology</i>	Oct.2018 - Oct.2020
	Summer Internship @ CloudMinds Robotics Co., Ltd.	Jul.2019 - Aug.2019

PRE-PRINTS <small>*CO-FIRST AUTHORS</small>	Y Li*, Y Zhou* , J Huang, Z Wang, S Zhu, K Wu, L Zheng, J Luo, R Cao, Y Zhang & Z Huang, “Design of a Flying Humanoid Robot Based on Thrust Vector Control”, <i>arXiv 2108.11557</i> .	
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PUBLICATIONS	Z Huang, Z Wang, J Wei, J Yu, Y Zhou , P Lao, X Huang, X Zhang & Y Zhang, “Three-Dimensional Posture Optimization for Biped Robot Stepping over Large Ditch Based on a Ducted-Fan Propulsion System”, <i>IROS'20</i> .	
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RESEARCH PROJECTS	Jet-Powered Humanoid Robot: Jet-HR1 <i>Supervisor: Prof. Zhifeng Huang</i> - A prototype disaster-response humanoid robot innovatively utilized the ducted-fan propulsion system for balancing the gravitational moment - Conduct experiments based on 2D & 3D gaits to accomplish large obstacle-crossing (97% of the robot’s leg length, and a height difference of 100mm between two sides)	Oct.2018 - Oct.2020
	Jet-Powered Flying Humanoid Robot: Jet-HR2 <i>Supervisor: Prof. Zhifeng Huang</i> - Independently designed the mechanical system of the robot with 6 ducted-fans to have the capacity of flight, contact locomotion, and manipulation - Implemented dynamic simulations of the prototype robot in PyBullet SDK - Led the design, fabrication, and experiments of prototype robot such as jet-jumping and flying motions	Jan.2019 - Oct.2020

SELECTED AWARDS	JASSO Scholarship , Ministry of Education, Culture, Sports, Science and Technology of Japan NU’s Summer Scholarship , Northeastern Outstanding Undergraduate Thesis paper (Top 3%) , GDUT <i>System Design of Flying Humanoid Robot</i> National-level Funding in IETP for College Students , Ministry of Education of China Third Award (University-level) in 16th Challenge Cup , Ministry of Education of China	Oct.2021 Jun.2020 Jun.2020 Mar.2020 Mar.2019
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SKILLS	Languages: Python, MATLAB, L ^A T _E X Design: SolidWorks	
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INTERESTS	Design of Mechanical and Mechatronic System, Robotics, Machine Learning	
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