

Zefang Li (he/him/his)

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EDUCATION

Johns Hopkins University (JHU) Baltimore, MD PhD in Civil and Systems Engineering	Aug. 2023- present
• Advisor: Prof. Jochen Mueller	
Carnegie Mellon University (CMU) Pittsburgh, PA Master of Science in Mechanical Engineering - Research	Aug. 2021- May 2023
• Advisor: Prof. Carmel Majidi	
Shanghai Jiao Tong University (SJTU) Shanghai, China Bachelor of Engineering in Mechanical Engineering, Minor in Computer Science	Sept. 2017-Aug. 2021
• Advisor: Prof. Yongxing Shen, Prof. Yanfeng Shen	

PUBLICATIONS (*: equal contribution)

- **Zefang Li**, Gina Olson, Dinesh K. Patel, Lining Yao, Carmel Majidi, “Electronically Controlled Liquid Crystal Elastomer for Programmable Surface Texture Actuation,” submitted to Advanced Intelligent Systems, under revision.
- Yiwen Song, Mason Zadan, Kushaan Misra, **Zefang Li**, Jingxian Wang, Carmel Majidi, Swarun Kumar, “Navigating Soft Robots through Wireless Heating,” 2023 IEEE International Conference on Robotics and Automation (ICRA).
- Xufei Suo*, Tingkang Wang*, **Zefang Li**, Yongxing Shen, “Elastic Solution for a Rotating Bi-material Ring with Thermal Mismatch,” *Mechanics Research Communications*, Volume 113, 2021, 103695, ISSN 0093-6413.

SELECTED AWARDS

MechE MS Summer Research Fellowship	May 2022
Outstanding Teaching Assistant Award, 2019-2020 academic year	June 2021
Outstanding Graduate of Shanghai	May 2021

TEACHING

Carnegie Mellon University Pittsburgh, PA Course Assistant	Aug. 2022-Dec. 2022
• Work as course assistant for the course “ Machine Learning and Artificial Intelligence for Engineers ”.	
• Hold recitations and weekly office hours. Set up quiz questions. Grade homework and exams.	
Gelfand Outreach Saturday Series Classes, Carnegie Mellon University Pittsburgh, PA Outreach Teacher	Oct. 2022
• Co-taught the class “Engineering Materials for Soft Robotics” for grade 7-9 students.	
• Designed a curriculum of hands-on activities with soft material and shape-memory actuators.	
University of Michigan-Shanghai Jiao Tong University Joint Institute Shanghai, China Teaching Assistant	Feb. 2019-Aug. 2020
• Worked as teaching assistant for the courses “ Modeling, Analysis and Control of Dynamic Systems ,” “ Introduction to Dynamics and Vibrations ,” and “ Branding and Brand Management ”.	
• Held weekly recitations and office hours. Graded homework and exams.	
• Awarded with Basic Teaching Assistant Certificate and Outstanding Teaching Assistant Award.	
Haikou Central Elementary School Eryuan, China Volunteer Teacher	Dec. 2017-Jan. 2018
• Designed interactive teaching plans and taught local pupils of grade 2 to 6 English and math.	