

Zefang Li (he/him/his)

EDUCATION

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

PUBLICATIONS (*: equal contribution)

- **Zefang Li**, Gina Olson, Dinesh K. Patel, Lining Yao, Carmel Majidi, “Electronically Controlled Liquid Crystal Elastomer for Programmable Surface Texture Actuation,” *Advanced Intelligent Systems*, 2200402.
- Yiwen Song, Mason Zadan, Kushaan Misra, **Zefang Li**, Jingxian Wang, Carmel Majidi, Swarun Kumar, “Navigating Soft Robots through Wireless Heating,” ICRA 2023.
- 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 • 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.	Aug. 2022-Dec. 2022
Gelfand Outreach Saturday Series Classes, Carnegie Mellon University Pittsburgh, PA Outreach Teacher • 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.	Oct. 2022
University of Michigan-Shanghai Jiao Tong University Joint Institute Shanghai, China Teaching Assistant • 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.	Feb. 2019-Aug. 2020
Haikou Central Elementary School Eryuan, China Volunteer Teacher • Designed interactive teaching plans and taught local pupils of grade 2 to 6 English and math.	Dec. 2017-Jan. 2018