

Zefang Li (he/him/his)

E-mail: zli299@jh.edu

Tel: (+1)412-758-4585

Web: <https://zefangli.github.io>

EDUCATION

Johns Hopkins University (JHU) Baltimore, MD	Aug. 2023- present
PhD in Civil and Systems Engineering	
Carnegie Mellon University (CMU) Pittsburgh, PA	Aug. 2021- May 2023
Master of Science in Mechanical Engineering - Research	
• GPA: 3.98/4.0 Advisors: Prof. Carmel Majidi	
Shanghai Jiao Tong University (SJTU) Shanghai, China	Sept. 2017-Aug. 2021
Bachelor of Engineering in Mechanical Engineering, Minor in Computer Science	
• GPA: 3.71/4.0 Ranking: 1/43	

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	Aug. 2022-Dec. 2022
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.	
Gelfand Outreach Saturday Series Classes, Carnegie Mellon University Pittsburgh, PA	Oct. 2022
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.	
University of Michigan-Shanghai Jiao Tong University Joint Institute Shanghai, China	Feb. 2019-Aug. 2020
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.	
Haikou Central Elementary School Eryuan, China	Dec. 2017-Jan. 2018
Volunteer Teacher	
• Designed interactive teaching plans and taught local pupils of grade 2 to 6 English and math.	