

# YUXUAN LI

## EDUCATION

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- University of California, Los Angeles** 2019-Present  
Ph.D. in Mechanical Engineering. major: Fluid Mechanics
- Shanghai Jiao Tong University** 2015-2019  
B.S. in Aeronautics and Astronautics.

## JOURNAL PUBLICATIONS

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1. Li, Yuxuan, Jeff D. Eldredge, Adrienne S. Lavine, Timothy S. Fisher, and Bruce L. Drolen. **“A Conjugate Heat Transfer Model of Oscillating Heat Pipe Dynamics, Performance, and Dryout.”** *International Journal of Heat and Mass Transfer* (2024). (Accepted)
2. Li, Y., Z. Wang, B. Yu, B. Zhang, and H. Liu. **“Gaussian models for late-time evolution of two-dimensional shock–light cylindrical bubble interaction.”** *Shock Waves* 30, no. 2 (2020): 169-184.

## CONFERENCES AND PRESENTATIONS

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1. Li, Yuxuan, Jeff Eldredge, Adrienne Lavine, Timothy Fisher, and Bruce Drolen. **“Estimating thermofluid system parameters using a Markov chain Monte Carlo method, with an example of oscillating heat pipes.”** 76th Annual Meeting of the Division of Fluid Dynamics, Washington D.C., USA (2023).
2. Li, Yuxuan, Zachary Wong, Jeff D. Eldredge, Timothy S. Fisher. **“Empirically Trained Models of Oscillating Heat Pipes for Improved Performance, Limits, and Control”** 2023 Spacecraft Thermal Control Workshop, Torrance, USA (2023)
3. Li, Yuxuan, Jeff D. Eldredge, Adrienne S. Lavine, Timothy S. Fisher, and Bruce L. Drolen. **“A data assimilation model of oscillating heat pipe dynamics and performance.”** Joint 21st International Heat Pipe Conference and 15th International Heat Pipe Symposium, Melbourne, Australia (2023).
4. Li, Yuxuan, Jeff Eldredge, Adrienne Lavine, Timothy Fisher, and Bruce Drolen. **“Thermofluid modeling of an oscillating heat pipe.”** 75th Annual Meeting of the Division of Fluid Dynamics, Indianapolis, USA (2022).

## AWARDS

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- UCLA Mechanical and Aerospace Engineering Department Fellowship 2019-2023
- SJTU Outstanding Graduate 2019
- UCLA-CSST Scholarship (~ 5000\$) 2018

## TEACHING EXPERIENCE

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### University of California, Los Angeles

- Teaching Assistant of MAE150A: *Intermediate Fluid Mechanics*

## REVIEWER EXPERIENCE

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Reviewer of *ASME Journal of Heat and Mass Transfer*