



Dr. Zheng Jia

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Biography:

I am currently a postdoc associate in [Prof. Wing-Kam Liu](#)'s group in Department of Mechanical Engineering at Northwestern University. I obtained my Ph.D. on Mechanical Engineering from the University of Maryland-College Park under the supervision of [Prof. Teng Li](#). During my Ph.D. study, I also visited [Prof. Zhigang Suo](#)'s group at Harvard University as a visiting Ph.D. fellow. My research goal is to understand and design advanced mechanical and material systems theoretically and computationally with a focus on understanding the underlying physics and mechanics. The novel mechanical and material systems that I am currently interested in include 1) functional nanostructures in flexible and wearable electronics, 2) energetic materials such as novel anodes in lithium/sodium-ion batteries and 3) soft devices and soft materials developed based on hydrogels and dielectric elastomers.