# **QIHAN LIU**

Department of Mechanical Engineering & Materials Science Swanson School of Engineering, University of Pittsburgh qihan.liu@pitt.edu 412-624-9737

#### **EDUCATION**

### **Harvard Graduate School of Arts and Sciences**

PhD in Materials Sciences and Mechanical Engineering

2016

Advisor: Dr. Zhigang Suo

**<u>Dissertation</u>**: Mechanics and Physics of Soft Materials

## University of Science and Technology of China, Special Class for Gifted Young

BS in Theoretical and Applied Mechanics

2010

Advisor: Dr. Linghui He

Thesis: Phase Field Simulation of Post-Buckling Patten in Thin Film Systems

#### PROFESSIONAL EXPERIENCE

#### University of Pittsburgh Swanson School of Engineering

2020-present

**Assistant Professor** 

Department of Mechanical Engineering and Materials Science

### Wyss Institute for Biologically Inspired Engineering at Harvard

2017-2019

Postdoctoral fellow in Bioengineering Faculty Mentor: Dr. Kevin Kit Parker

Project: Manufacturing of 3D nanofibrous scaffold for regenerative heart valve

#### Harvard John A. Paulson School of Engineering and Applied Science

2016-2017

Postdoctoral fellow in Material Sciences and Mechanical Engineering

Faculty Mentor: Dr. Zhigang Suo

<u>Project</u>: Bonding in multi-material soft devices in various manufacturing processes

#### **RESEARCH INTERESTS**

Advanced manufacturing of soft materials Mechanical failure of soft materials Biomimetic functional materials

#### **PUBLICATIONS**

https://scholar.google.com/citations?user=XYmVFlkAAAAJ&hl=en