



YUNRUO NI

PROGRAM: BME MS RESEARCH OPTION

HOME TOWN: WUHAN, CHINA

CONTACT

yunruon@andrew.cmu.edu

HOBBIES

Sci-Fi Movies!!! (Highly recommend Everything Everywhere All at Once.),
Hiking, Travel

ABOUT MY RESEARCH

I do research within Dr. Bin He's lab, Biomedical Functional Imaging and Neuroengineering Laboratory. My research focus is on transcranial focused ultrasound neuromodulation (tFUS), which is an emerging non-invasive neurostimulation technique. I am involved in both computational and animal tFUS research studies.

LEARN ABOUT CMU BME AMBASSADORS

FAVORITE THING ABOUT BME DEPARTMENT

BME department is in small size but has NUMEROUS resources. You can always find any resources you need, either interesting courses, research topics, seminars, job opportunities or various activities. It is easy to connect with the professors because of the small class size and 1:8 faculty to student ratio. Most important, the BME department really cares about every student, and everyone is so helpful and warm.

FAVORITE THING ABOUT CMU

CMU has amazing collaborative environments. There are many collaborations across disciplines in both coursework and research. I really enjoyed the discussions with people from different backgrounds while taking the cross-listed courses. Also, CMU has close connections with leading industry and government partners.

WHY I PICKED CMU FOR MY GRAD STUDIES?

As a person whose undergraduate background in computer science, CMU is definitely my first choice to continue my interest in the computational side of biomedical research. In addition, the Research Option Master's program provided by the BME department exactly matches my wish to build more research skills during graduate studies.

LONG-TERM CAREER GOALS

I hope to utilize my research findings/innovations to start a neurotechnology company that develops novel and portable bidirectional brain-machine interfaces, which can improve the quality of human life.