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September 25, 2019

Yuanming Hu

Massachusetts Institute of Technology, CSAIL

Ph.D. Student

32 Vassar St

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Dear Mr. Hu:

I am writing in response to research internship in your lab in 2020 spring semester. I am a junior student majoring in computer science at University of Michigan. I transferred from Shanghai Jiao Tong University (SJTU), and my major in SJTU is mechanical engineering. I am very interested in topic about physical simulation for robotics. I feel that I am prepared for the research in your lab because of my background, academic foundation and communication skills.

First, my interdisciplinary background matches the research well. With background in both mechanical engineering and computer science, I can apply many new techniques such as machine learning and computer vision in mechanical engineering field. I can also combine mechanical engineering knowledge into the physical simulation of robots. With sound understanding on these tools, I am confident that I can make a difference in your lab.

Second, my solid academic foundation enables me to contribute in your lab. My GPA for courses except politics courses is 3.86. In addition, I am working in Compliant System Design Laboratory to develop a real-time 3D reconstruction of the soft robot, which may have something in common with your projects. With sufficient training on mechanical engineering and computer science, I am eligible to conduct analysis, building, experiment and reporting.

At last, I am skilled at cooperating with other researchers. With abundant social activities and academic service, I learned how to cooperate with others efficiently, which is a transferrable skill. I have served as teaching assistant, and I gradually knew how to conduct technical communication clearly and efficiently. Other experience such as advisor in Advising Center in my institute also trains my communication skills. I believe this skill prepares me to cooperate with researchers in your lab to accomplish large project.

I would like to join your lab and contribute to your soft robotics project. I have enclosed my resume and I will reach out before October 30th to talk about the possibility of the research opportunity.

Sincerely

Yixuan Wang