We are fabricating a very thin shells cylinders made of Silicone to make a rotor, a climbing robot or a swimming robots that are made completely from soft materials.

These robots work through deformation, by pumping air in and out of the made cylinders.
I’m Mohammed Sbai, senior mechanical engineering major at the University of Nebraska Lincoln.

This summer I been able to learn new skills, and for the first time I had the chance to work on soft robotics projects which expanded my robotics research interests.