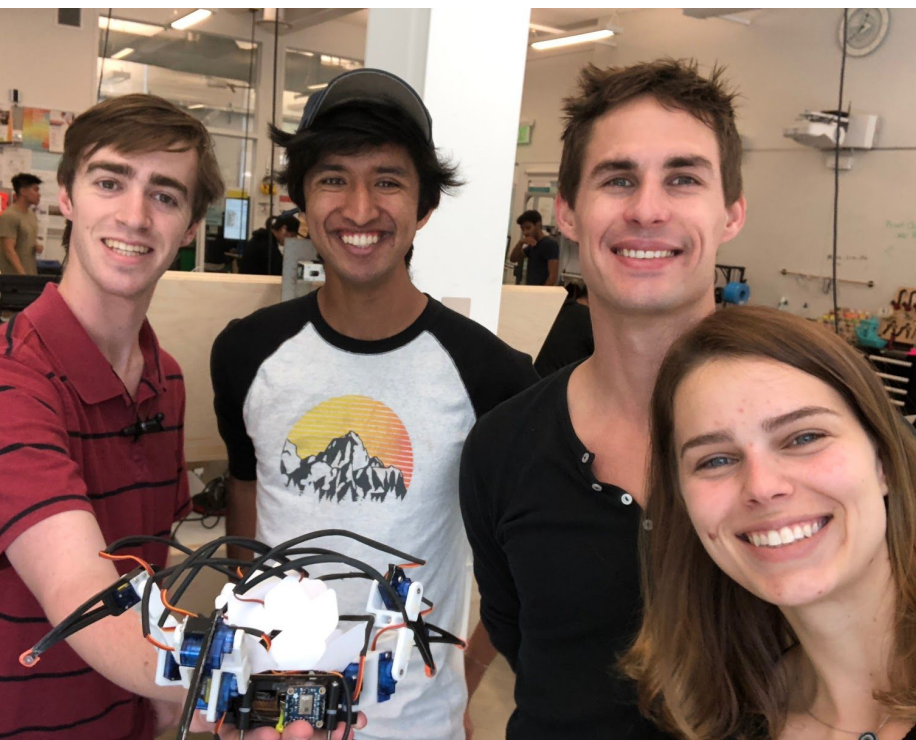


# SID THE SPIDER BOT

*Adding interactivity to quadruped robots with thermal sensor integration*

Created by Jordan Goodman, Winston Black, Hadar Bar, and Rohan Castelino



Our primary goal for this project was to create a robot which helps people grow more comfortable with spiders. We hoped to create a robot which helps both reduce the average person's fear of the the (mostly) harmless arachnids as well as to assist those who struggle with arachnophobia. In addition, from a technical perspective, we wanted to take the standard quadruped robot (as designed in this case by Regis Hsu) and add an extra level of complexity and interactivity by integrating a thermal sensor. Our plan was to design a robot which could either be operated manually or could autonomously use the thermal sensor (above picture) to detect humans and move towards them via 4 3-segmented legs. Unfortunately, though we accomplished our primary goals for the project, we were not able to integrate additional components we had planned for but we hope to do so in the near future!