

### 1. Contact Information

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### 2. Qualifications

Daniel - 4th year Data Science undergraduate with very little experience with circuits.

Thena - Thena is a 5th year Mechanical Engineering master's student. During their undergraduate studies they received two minors in energy engineering and EECS. They have experience in design and manufacturing and have built a small robot before. They are extremely passionate and a clear communicator.

Julia - Julia is a 5th year masters student in mechanical engineering. I have experience in design and smaller robotics projects

Asrin - 4th year BioEngineering undergraduate with a little bit of coding experience and a passion for learning more about robotics.

### 3. Project Description

- Our project goals include building our own robot, making friendships,
- Our project will showcase our group's particular skill set in manufacturing and design. To do this, we will build our own robotic arm that will recognize the shape of balls and their particular color. We plan to program our unique arm to pick up balls based on a user input specified color and then perform a set of tasks based off of the ball color. For instance, we may have the robot rotate 180 degrees after picking up a blue ball. Through this project we will exemplify our group's mastery of image processing, kinematics, and design.