

## Prolific Warriors: Thee Master Claw

### Abstract

Astronaut's spacesuits are made so that they could offer the most protection possible for the harsh environment in space although spacesuits are layered for the astronaut's safety, they make it difficult to pick objects up. How can picking up objects be easier for astronauts while still providing safety? The question in fact could possibly be answered with one tool, in this case, Thee Master Claw. Thee Master Claw is still in progress of being completed the idea of its finished product is a claw that is moved by a servo the servo receives directions from the Bluetooth sensor that is controlled by a Bluetooth app. When the Bluetooth app sends the signals to the servo it makes possible the first part of the pickup and the second part is made possible by its manually extendable and retractable arm piece. Thee Master Claw also contains a heart monitor to collect data for its user the data could be seen through Arduino. When Thee Master Claw is completed it should be able to successfully pick up an object of about 5 pounds while recording the heart rate. Thee Master Claw still needs many tests to be run on it for example resistance tests and code tests but hopefully in the future Thee Master Claw could be the tool to help astronauts out in space.