



Abstract: Arnold is a humanoid robotic arm driven by a wireless control panel and will remain at Rose-Hulman indefinitely as an interactive display, beyond the graduation of its creators. It will be located in a space available for tours, future and current students, and staff to view and interact with. This will provide a professional example of the possible accomplishments of Rose-Hulman students.

Meet the creators:
Andi Fiani, Chris Steiner, Dylan Dorman, Shelby Schipper

(Include photos of each person and their majors)

Our process (where we started → where we ended). This will include images of progress and descriptions.

MDS engineering explanation diagram. This will explain how we hit different disciplines with our project. (EE, ME, Art (paint), CS)

Arnold wiring image/diagram and explanation

Image of shoulder and explanation

Image of elbow and explanation

Image of pronation and explanation

Image of hand and explanation of construction/mechanics)

The GUI:
(images and explanation)

The Control Panel: (images and explanation)