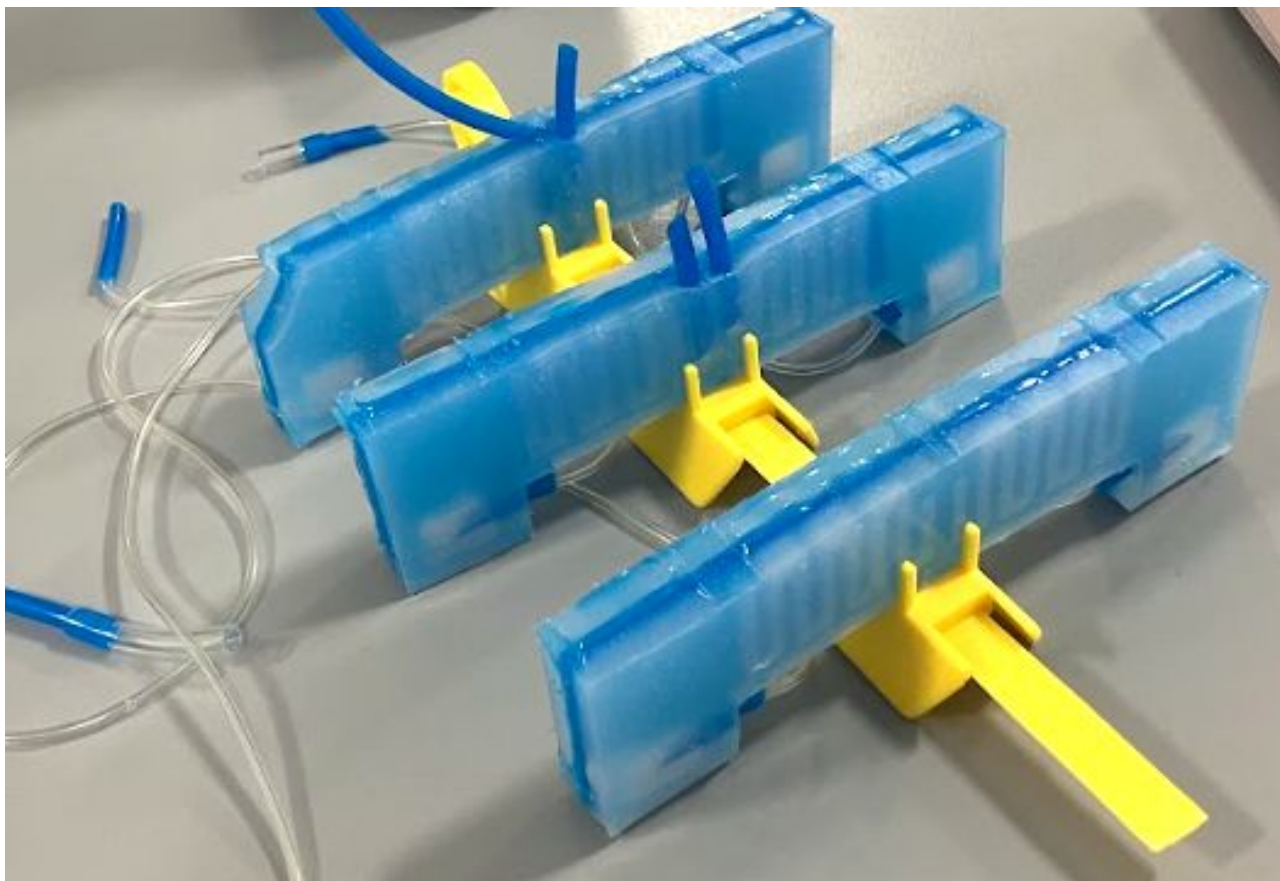


Mud Skipper | AKA Blueberry

Limoncello



George Knight, Liam Thirtyacre, Mitch Kain, Tanvi Shingade

DESIGN

Leg

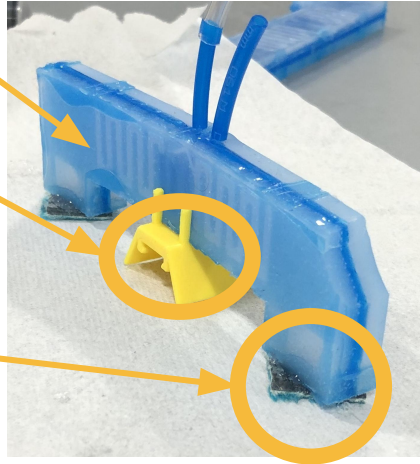
Swings leg back and forth

Vertebra

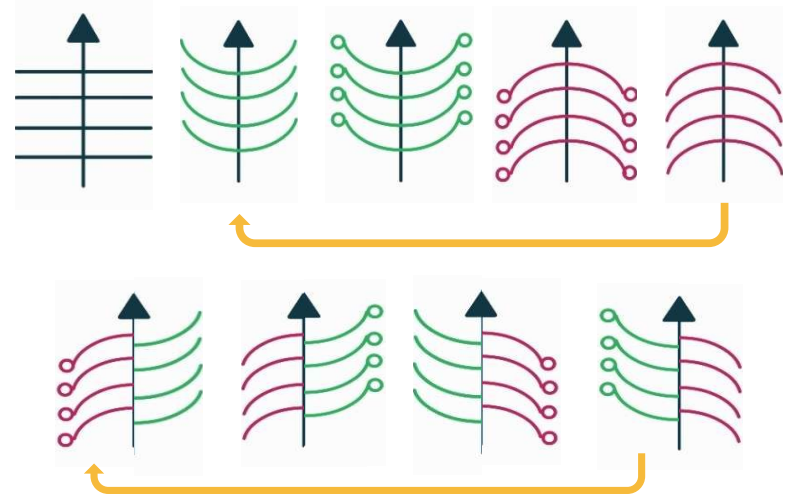
Provides support and connects legs.

Foot

Pneumatically actuated with anisotropic friction



CONTROLS



- The **Mud Skipper** is a small, pneumatically driven soft robot that can quickly navigate its environment. Highly modular so it can adapt to a number of dynamic environments.
- Individual air channels allow us to input different gaits.
- All molds/parts are parametrically designed letting us quickly switch out legs, scale the robot, or redesign them to work as a grasper.
- A single leg is capable of maintaining a 40 deg angle with up to 220 g.

