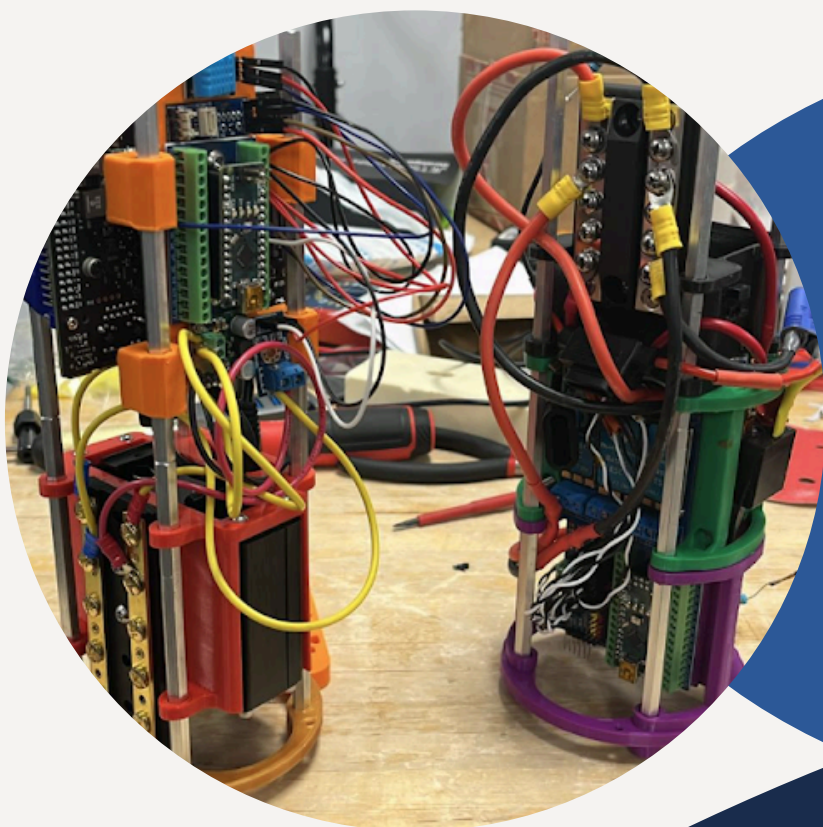
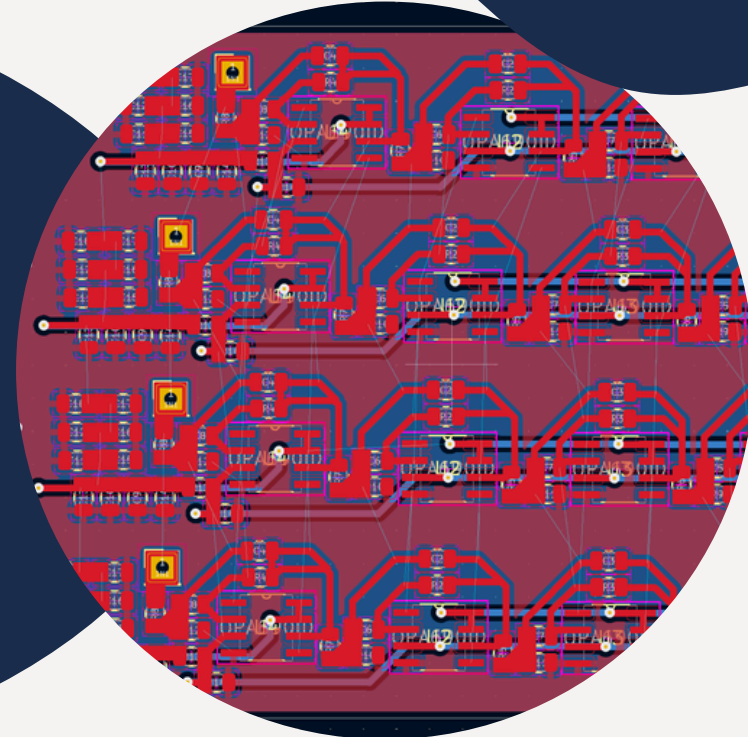


ELECTRICAL TEAM

RECENT DEVELOPMENTS

ACOUSTICS

Developing acoustics navigation system with hydrophone arrays, custom filtering PCB, and TDoA utilizing envelope filtering



CRUSH ELECTRICAL STACK

Developed and implemented new two capsule electrical stack for Crush

FUTURE GOALS

1

CUSTOM PCBs

Combine electrical subsystems into larger, modular custom PCBs (ESCs, sensor stack etc.)

3

RELIABILITY UPGRADES

Determine common and critical points of electrical failure and implement safeguards

2

STACK DESIGN

Design and prototype electrical stack and custom PCBs for upcoming robot

4

CRUSH IMPROVEMENTS

Iterate on DVL, sensor stack, and controls to increase performance and consistency