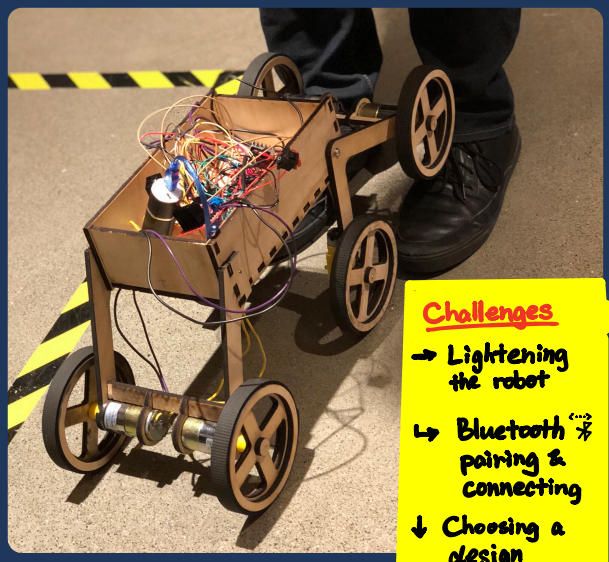
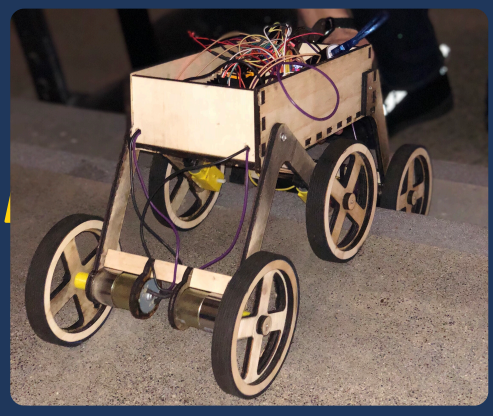
"CLIMB STAIRs"

ENGR 202CD – WINTER 2018
TEAM 9

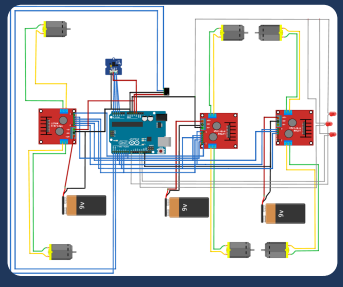


Challenges
- → Lightening the robot
- ↳ Bluetooth pairing & connecting
- ↓ Choosing a design

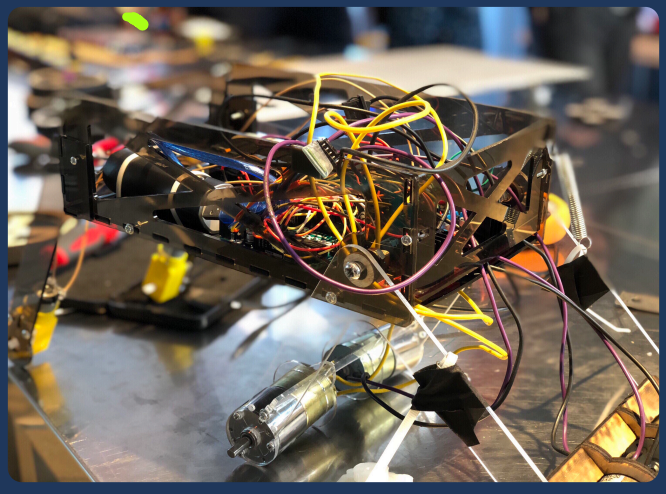
5. Testing

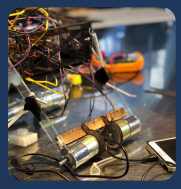


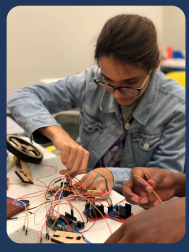
4. Electronics & Programming

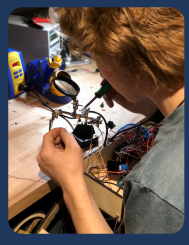


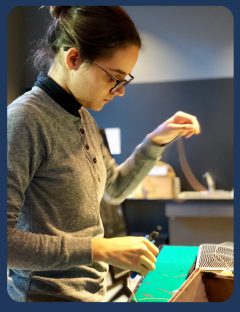
3. Building Process





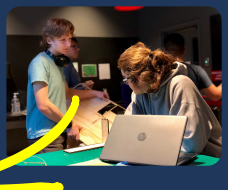


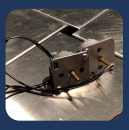




Goals

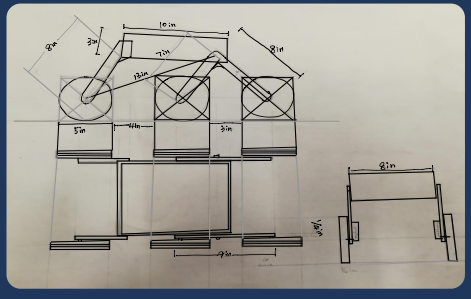
- Drive on 1. a level surface ✓
  2. a ramp ✓
  3. a set of stairs ...
- Operate with 4. Bluetooth ✓
- + Autonomous ...
- + Holds its own power source ✓





Future

1. Add sensors
2. Stronger Motors
3. 18V → 12V



1. Concept Designs

2. CAD Designs