



Nebraska Makerspace Convention

Makerspaces and Beyond: The Threads that Connect

Bill Loring

Cougar  
Creation  
Space

NASA Projects  
STEM Club  
STEM Students  
UNL Internships





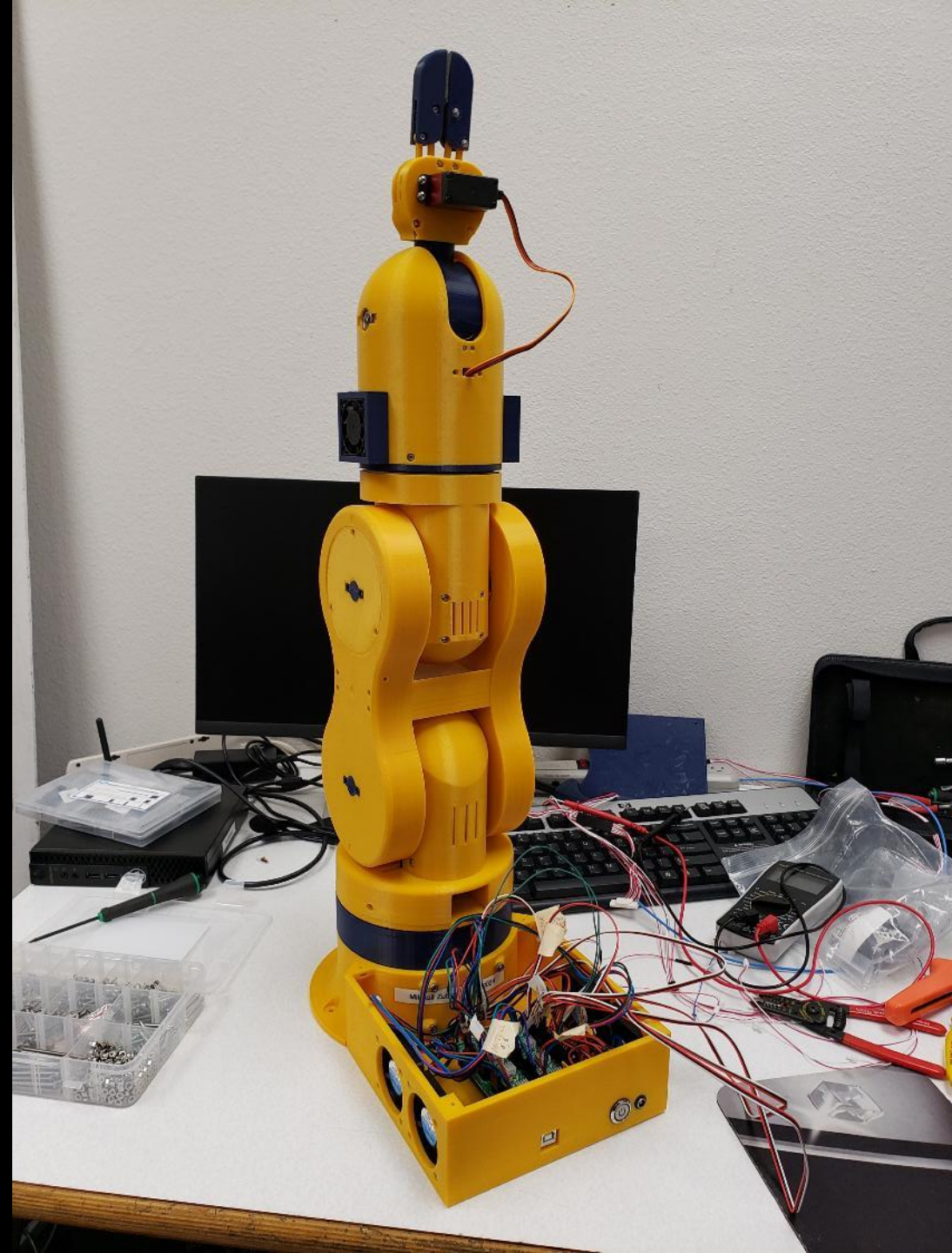
Tyr

The Mars  
Rover

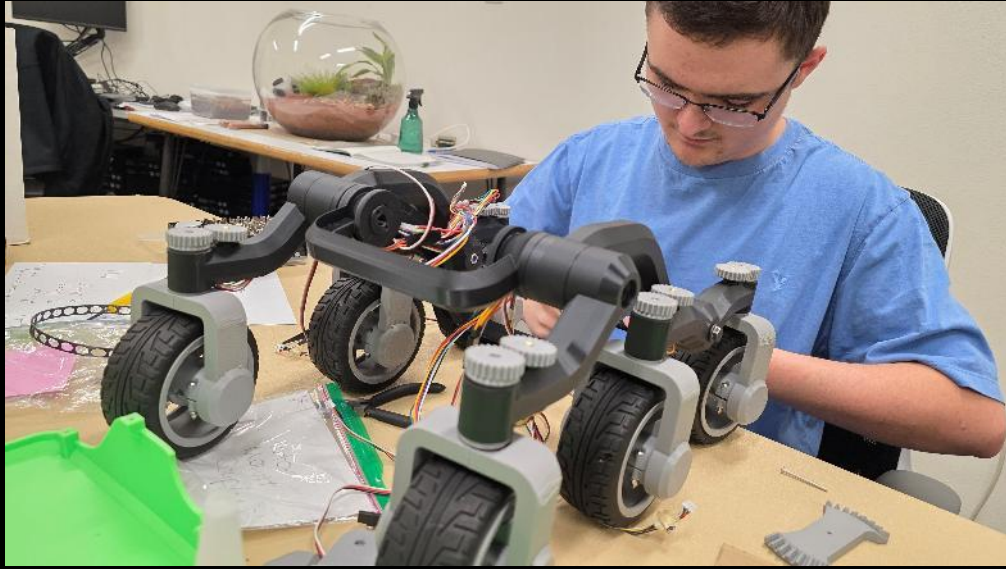
Thor

The Robot Arm

NASA Projects



Tyr  
The Mars Rover  
2.0



Tyr  
The Mars Rover  
2.0



# STEM Club Trip Fun and Education



STEM Club  
Trip to Denver

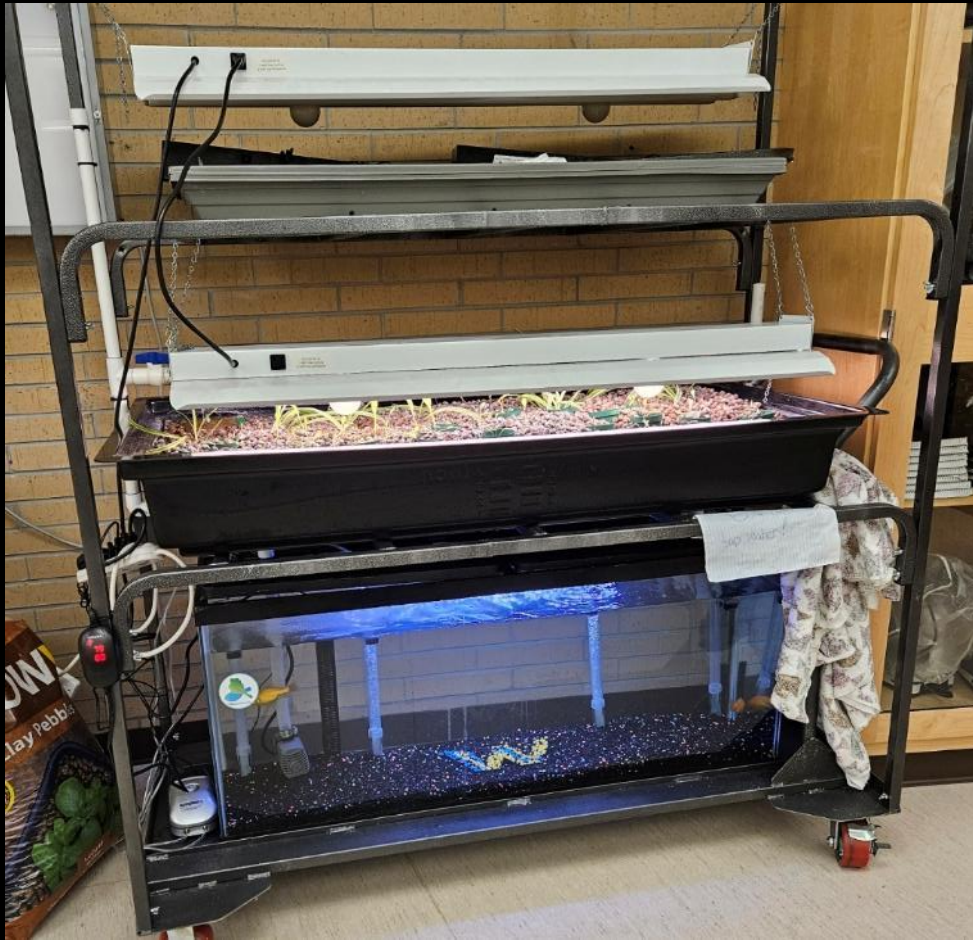


# Boston Robotics Conference



# Start of the Aquaponics Journey

## Back of the Biology Lab Lab









STEM Club  
Presents  
3D printed  
Cougar to  
President  
Dart for his  
help in  
moving the  
Aquaponics  
System into  
the Pit



STEM Club  
Presents  
Aquaponics  
System to  
the Board of  
Governors



# Heartland Developers Conference



Trip to  
Denver



UNL Panhandle  
Station Internships



WNCC students UNL  
Panhandle Station  
summer interns



NASA Fellowships  
Beginning of the  
Martian Soil  
Ecosystem Project



Painter's mask's to  
put Martian Regolith  
Simulant into Fish  
Bowl



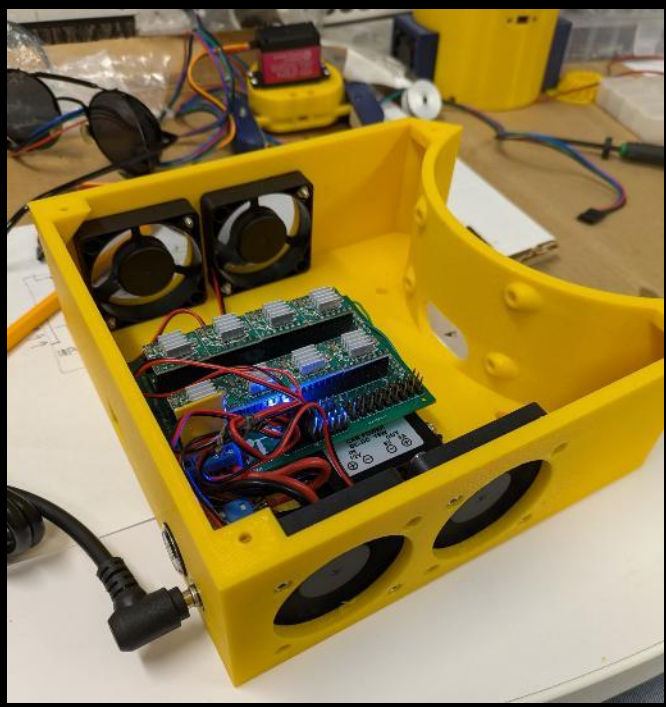
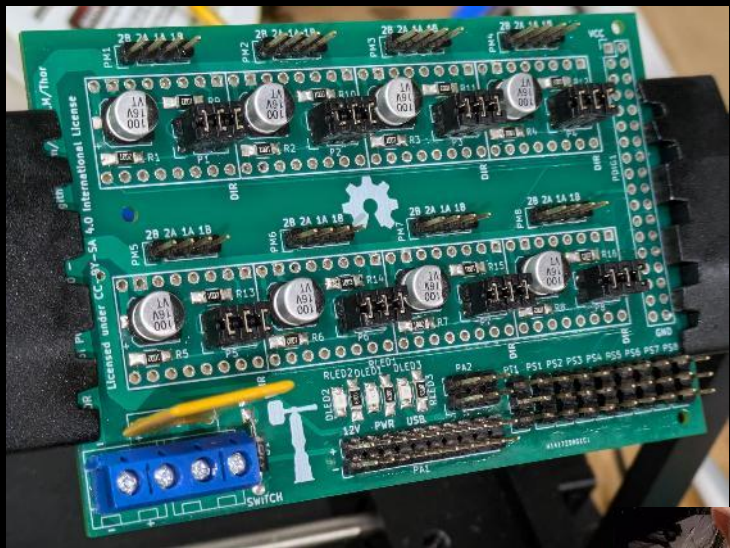
The next generation  
of scientists.



# Isopods introduced to Mars experiment



Tyr the robot arm



# NASA robotics project



# STEM Club



# MAKERSPACE BENEFITS

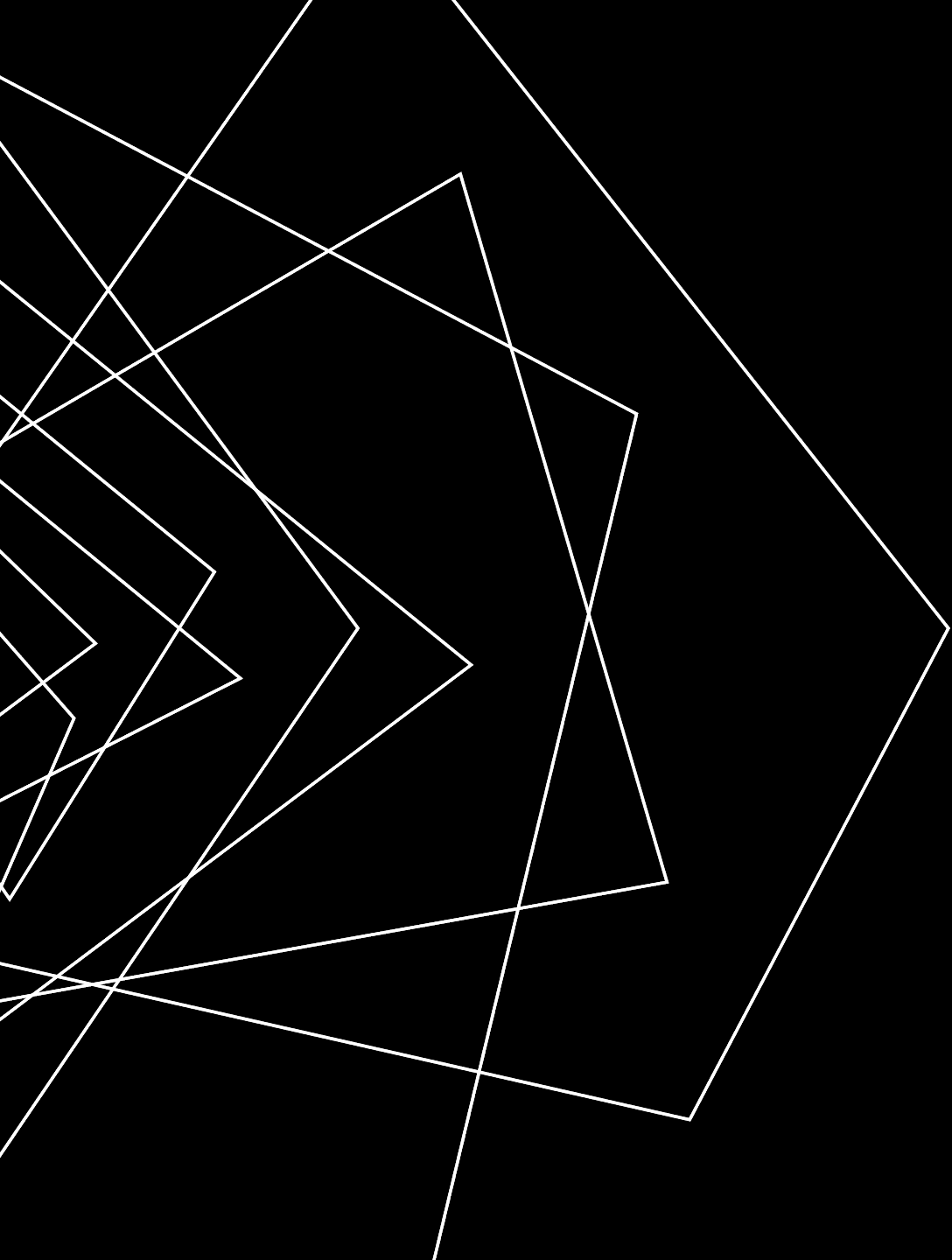
Projects: practical applications of in class learning

Team work and networking

Learn new technology

Fun!





# Thank You

Bill Loring  
loringw@wncc.edu  
lab.wncc.edu