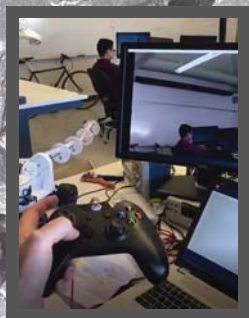
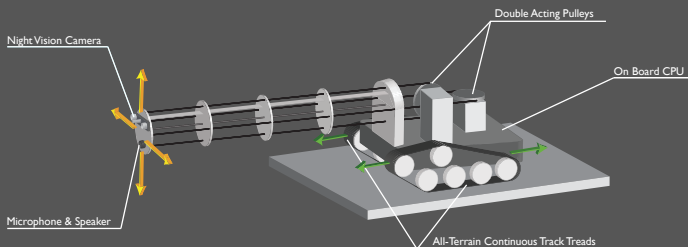


The Rubble Explorer

User Controlled Search and Rescue Rover

Objective

In many Search and Rescue operations around the world in war torn or disaster affected places locating survivors continues to be an incredible challenge. Our goal is to create a rover that will reduce the time needed and make it easier to find survivors.



Technical Overview

- All-terrain continuous track propulsion system powered by two DC motors.
- On-board Raspberry PI 3 ARM CPU
- Articulating head controlled by two double acting pulleys on stepper motors.
- Video and microphone mounted on the articulating head.
- Windows 10 Base Station integrated application
- Xbox One Controller used to control Rubble Explorer

Project Team Members:
Mechanical: Alex Leitch, Leon Wisanto, Max Gettles
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