

- Group Member: Jeff Colgan, Vanessa Zhang, Yifan Chen
- Idea and Target: Design robots go detecting and repairing damage to the hull of large vessels
- Plan of Work (Methods): mapping; path planning; inverse kinematic (robot and arm)
- Preliminary work so far:
 - Research into detecting the damage (mapping with LiDAR or other sensors vs. implementing reinforcement learning algorithm)
 - Research into extending robot functionality (Adding additional equipment)
 - Research into simulating space environments in Webots (e.g background textures available, zero-g physics, etc.)

Team 21: Jeff Colgan, Vanessa Zhang, Yifan Chen