TEC-V:
T*opographic*
E*xploration*
C*ave*
V*ehicle*

TEC-V

CSE Capstone

TECV.ROV

Our Website!

Our Insta!

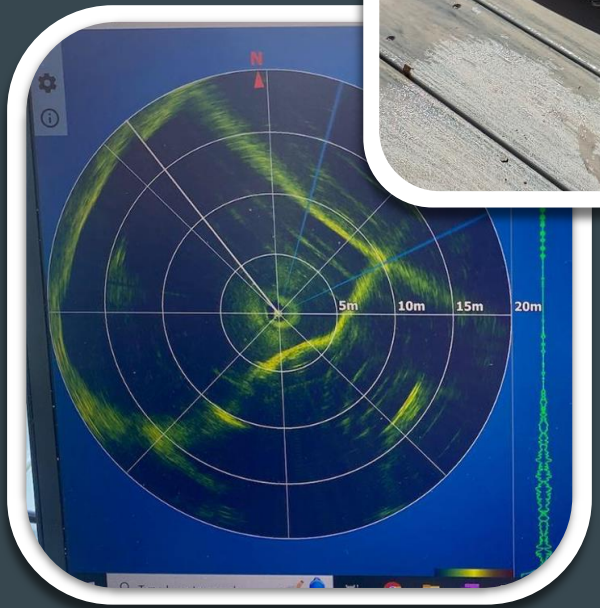
Overview

Ocean Engineering Members:

- Stephen Coster
- Henry Hill
- Gabor Papp

Previous CSE Members:

- Mike Dowling
- Zealand Brennan



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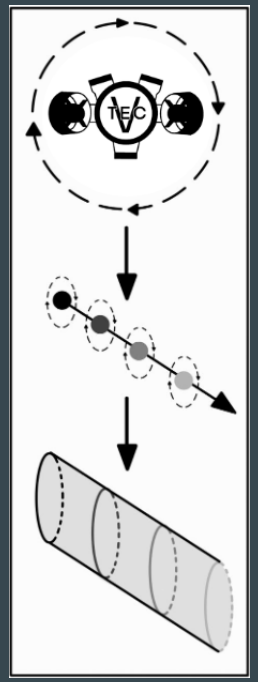
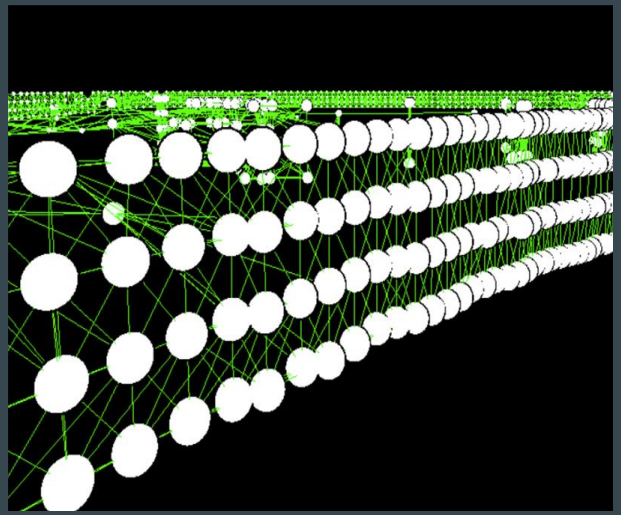
V*ehicle*

Mission Plan





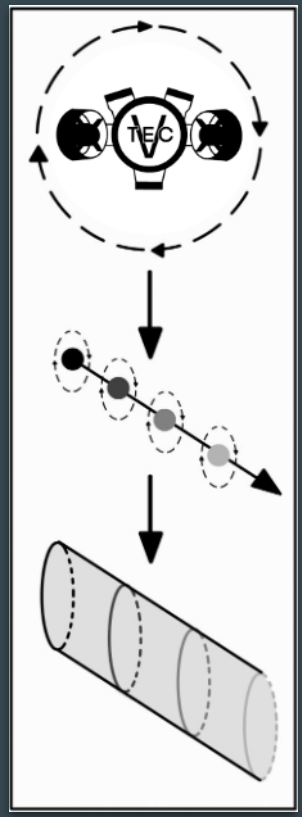
Deploy

Collect

Stitch

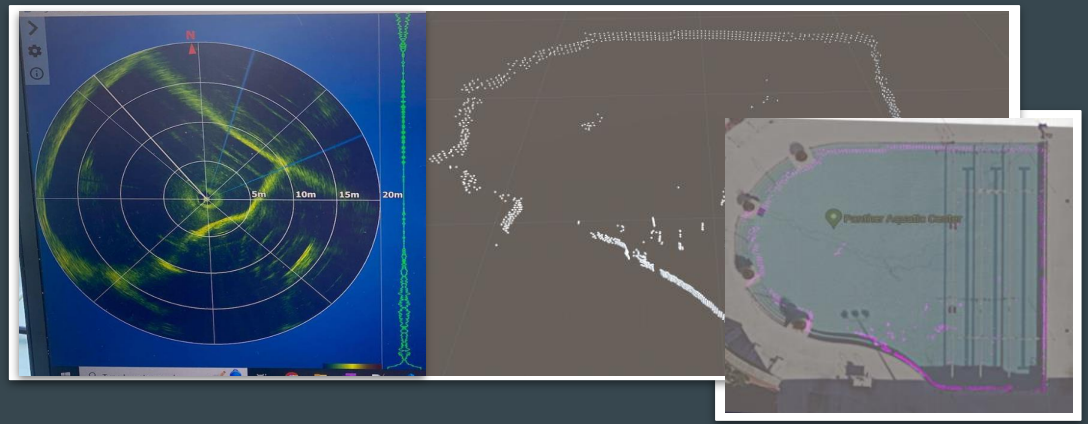
Method

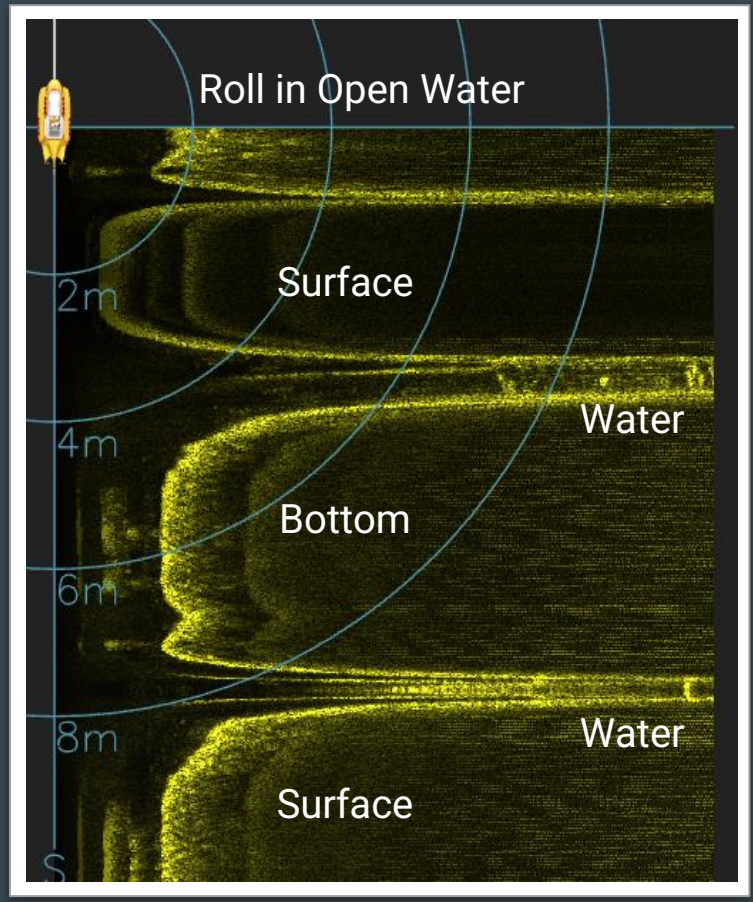
Side Scan Sonar



Approach

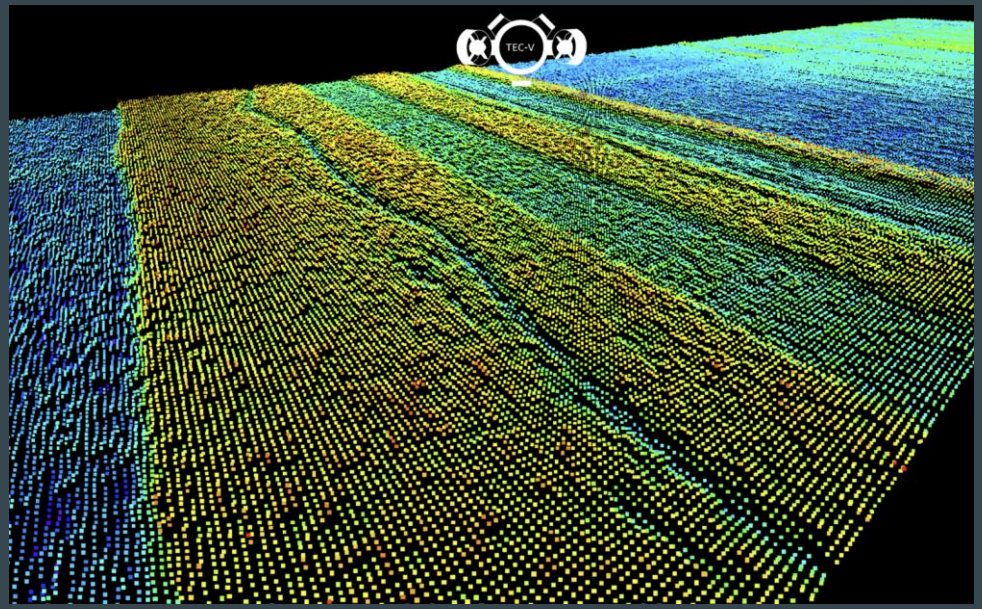
- Collect Data in CSV File
- Display as 3D Cloudplot
- Filter Sonar Noise
- Mesh Cylinders Together





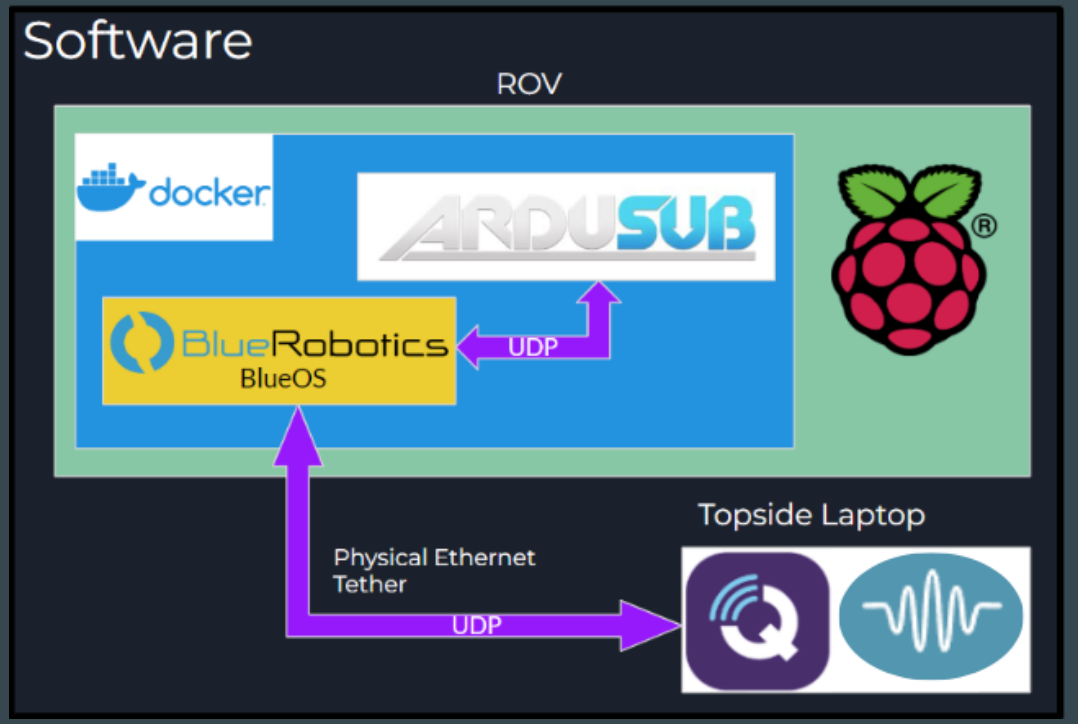
Desirable Skills/Knowledge

- Software Hardware Interface
- 3D Data Plotting
- Optimization for Run Speed
- Bash Scripting
- UI Development

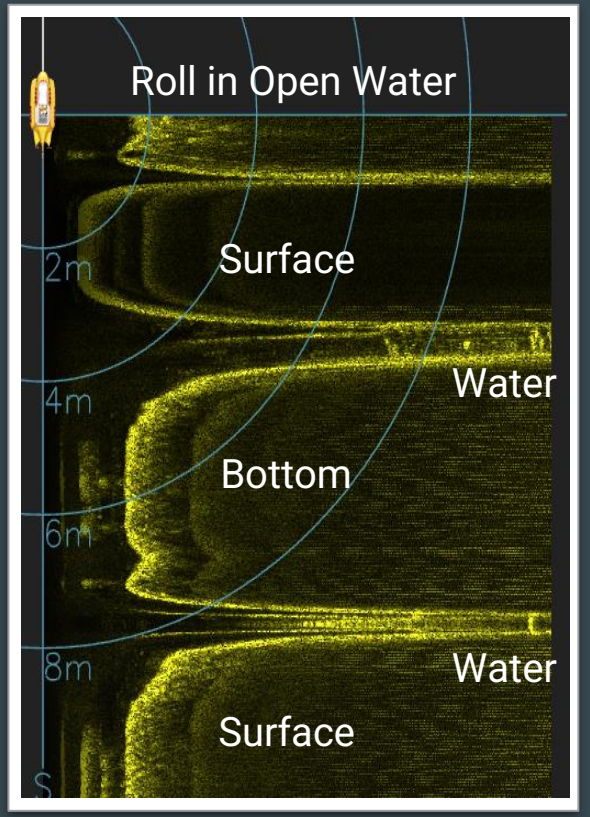
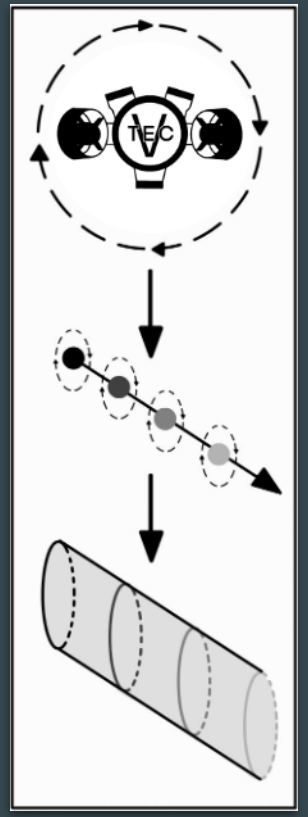


Additional Information

- BlueRobotics Components
- Cerulean 450FS Sonar
- ROV Software is Open Source/Architecture
- Code in C++ or Python



Appendix

Contact Info:
Stephen Coster
(631)438-6416
scoster2021@my.fit.edu

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