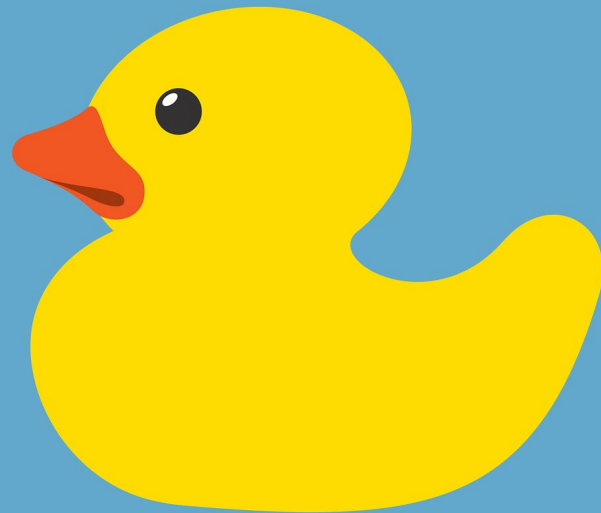# Rubber Duck Solutions

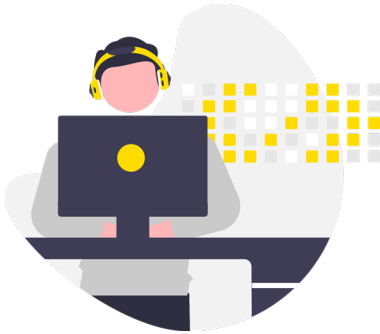## Jonathan Vargas & Carter Brezinski

Vlog #4

F.L.O.A.T.

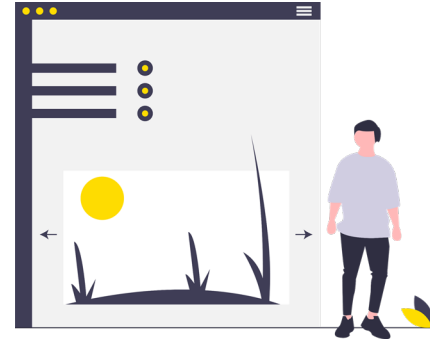Facilitating Level Objectives Assessment Technology

- Collects data to upkeep waters
- Identify any foregin objects
- Create convenience for sampling
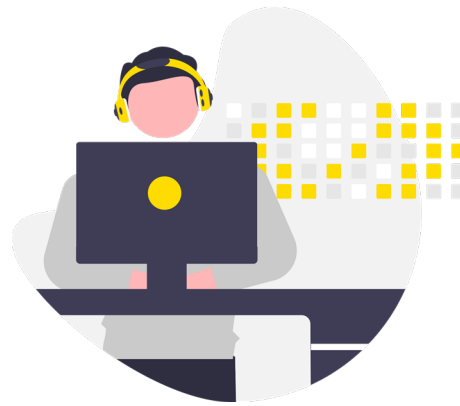
Re-introductions

Carter Brezinski
AI Lead
Back-end Lead

Jonathan Vargas
Front end Lead
Project Manager

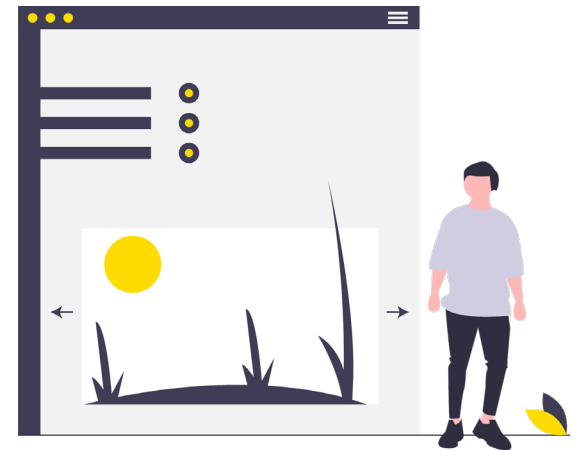# Scrum Activities

Dec. 6 - Feb. 1

Jonathan Vargas
Finished installing web server infrastructure
Began redesign of client

Carter Brezinski
Begin planning and working on our RC boat drone & scripts on rasp. Pi for data collection
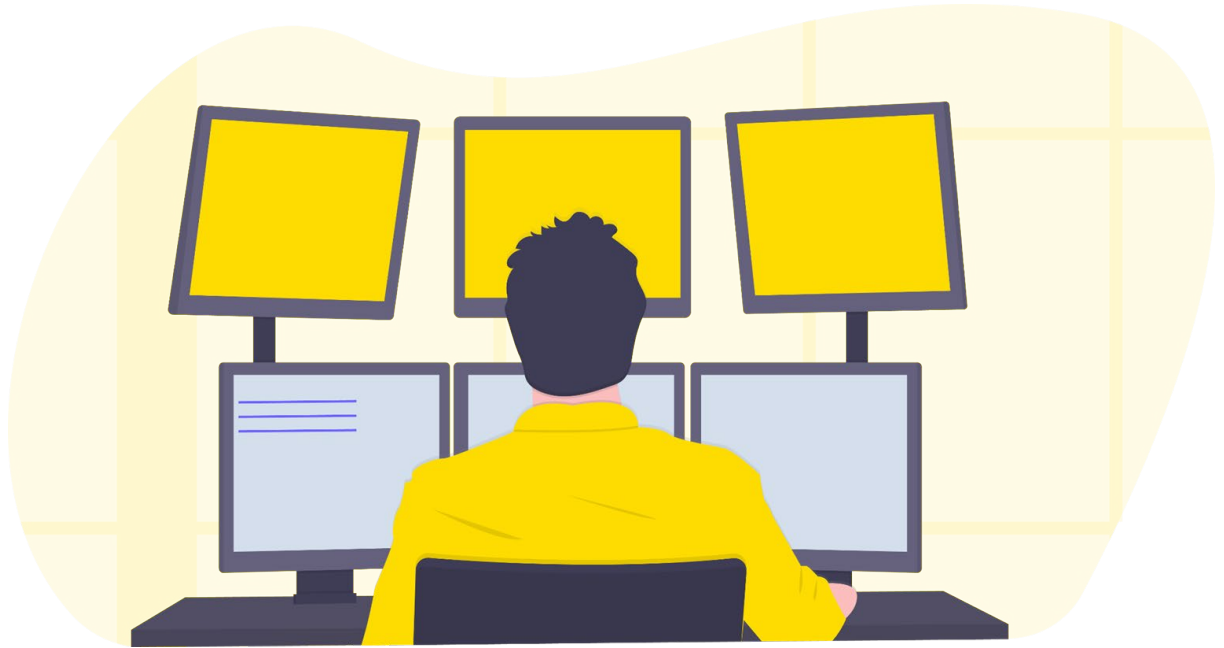Continue working on switching over to litter dataset

Project Changes

Project Issues

- Data set format

- Shipments

- GPS service

Program Demo

Status of The Project:

RED

Future dev timeline

Week of Jan. 31 - Feb. 7

GPS/ interactive map system development
TACO video processing & video download

Week of Feb. 7 - 14

Add map implementation to webserver

Week of Feb. 14 - 21

Physical boat construction
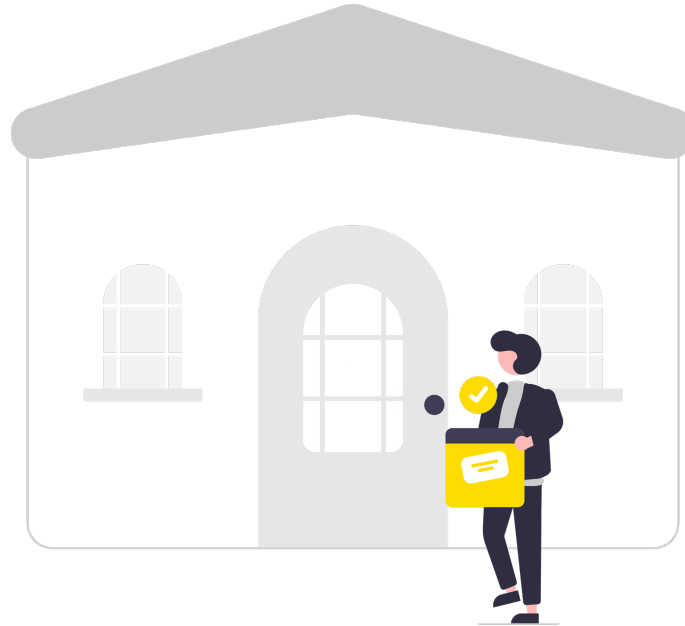Water quality sensor integration

Week of Feb. 21 - 28

Perform individual system test
Water quality sensor integration cont.

Parts we've ordered and when they arrive

- **Water Turbidity sensors - Arrives on the 4th**
- **GPS Module - Arrives on the 7th**
- **Boat - Arrives on the 18th**

Tests we intend to perform

- **Boat in the water**

- **Boat in the water w/ the collective weight of components**

- **GPS recording data & upload to Google My Maps**

- **Video processing & downloading w/ litter dataset**

What is next?

Team Reflection

Thank you for listening