Pre-dispositions:

- Understand some nautical navigation
- Involved in data collection (frequent, repeated)
- Versed in research tools
- Stay at sea for potentially extensive amounts of time
- Spend lots of time just waiting

Don't know…

- What kind of work
- Distance from main vessel/origin that vessel is operating at
- Emergency protocol
- Hardware on vessel

Research:

- Cargo moving
- Sampling water and sediments
- Some ships--research vessels mostly--are equipped with ice breaker hulls
- Log locations periodically for coast guard

Concepts:
Named: WILSON

- Boat assistant "first mate" on large vessels.
- Weather systems
- Depth tracking
- Fuel statistics/warnings
- Optional touch functionality/bluetooth/button on-arm device
    - Use secret-service style vibration microphone
- Authorization feature
- Satellite internet/location logging
- Integrated vocal systems rather than being server-based.
- Ship-wide alert system
- Large object indication
- Bearings upon request (incoming objects, where ship is going)
- Visual interface on bridge
- Vocal features via headset
- Relay emergency beacons (SOS protocol)
- Track waterline/buoyancy
- ballast/buoyancy

Peripheral systems:

- Guide lights to specific locations on boat (like a movie theater)
- Dive computer integration
- Controls for ROV
- Broadcast/coordinate radio systems
- Track crew members
- Wrist based physical button interface