**Sidra’s RoboSub Schedule**

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| **Goals** |

I will be working on CV, hydrophones, navigation, funding/budget, and making sure progress is being made in all the other areas of the project. I will most likely be making the thruster board as well; info on that at the bottom of the schedule. We will be having general meetings every week, see general plan for details.

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| **Winter** |

Week 1 (Dec 17-23) Fill out ASI forms for 2019, turn in ASI forms, fill out IRA application, fill out travel request, plan the budget, review upcoming form deadlines, order heatsink and make UAS reimbursement form for heatsink payment. Finish Linux learning, ROS learning, OpenCV learning. Create CV architecture and github. Make the budget, plan where we’re staying for comp, how many people, how much money and where that money is coming from.

Week 2 (Dec 24-30) CV programming, finalize architecture. Research to make sure the electronics system is fine. Research last year’s sub, previous teams’ subs.

Week 3 (Dec 31-Jan 6) CV programming, start messing with hydrophones.

Week 4 (Jan 7-13) CV programming, finish hydrophone algorithms. Start researching underwater filtering.

Week 5 (Jan 14-20) CV programming, navigation system (maybe work with Kevin and use what he made), research and maybe buy stuff for underwater filtering.

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| **Spring** |

Week 1 (Jan 21-27) Make flyers and Instagram posts to recruit new members. Order stuff for the power team, go to the ASI meeting for next year’s funding. Finish the nav system, test hydrophones filtering ideas.

Week 2 (Jan 28-Feb 3) Test system with simple object detection, make changes as needed. More hydrophones testing. Continue testing and bug fixing all my parts of the project

Week 3 (Feb 4-10) CV system ready for pool testing.

Week 4 (Feb 11-17) Work on interfacing navigation system

Week 5 (Feb 18-24) **Have a test-ready vehicle (assemble everything).** Reserve pool for next week’s testing

Week 6 (Feb 25-Mar 3) Finish interfacing navigation system. Reserve pool for next week’s testing

Week 7 (Mar 4-10) Second pool test: image collecting. Reserve pool for next week’s testing

Week 8 (Mar 11-17) Third pool test: image collecting. Reserve pool for next week’s testing

Week 9 (Mar 18-24) Fourth pool test: image collecting and CV testing. Reserve pool for next week’s testing

Week 10 (Mar 25-31) Fifth pool test: image collecting and CV testing. Reserve pool for next week’s testing

Spring Break (Apr 1-7) Finish CV integration with weapons systems. Sixth pool test: weapons systems.

Week 11 (Apr 8-14)

Week 12 (Apr 15-21)

Week 13 (Apr 22-28)

Week 14 (Apr 29-May 5) Create the team video from footage taken at testings, work days, meetings, etc. Include photos of cad models, senior design presentations, snippets of code, building obstacles etc.

Week 15 (May 6-12) Get together all the forms and stuff needed for comp and travel. Decide who is going to competition.

