

Duane Edgington Sorted By Project

901009 - CANON

- Project meeting March 12. (Week 11)
- Francisco, C. Scholin, and team met for a Project meeting March 12 in the Pacific Forum. I have notes. Francisco asked me after meeting if ODSS, STOQS, etc were good to go. (Week 12)
- Project meeting March 12. (Week 13)
- Project meeting scheduled for June 25. Experiment in July... (Week 26)
- Project meeting June 25, July 9. Experiment in July... (Week 28)
- Team meeting (Week 29)
- Updated my STOQS development environment. Thanks, Mike M. for help on the needed modifications. (Week 31)
- Meeting Sept 17 (Week 38)
- Project meeting Sept 17 (Week 39)
- Virtual meeting Sept 24 (Week 40)
- Sent Brent Jones notes and links to github documentation on STOQS to facilitate CPF data load into STOQS. (Week 43)

901602 - Data TAG: Addrss Eng Chng

- Read all 2021 abstracts. Feedback to project manager on relevant data TAG opportunities. (Week 24)
- Proposal review (Week 29)
- Reading proposals (Week 30)
- Proposal reading comments to Kevin G. (Week 31)

901603 - Video TAG: Vis Ocean Chng

- Team to address project library space utilization. (Week 5)
- Participating in GTC conference on line March 24-27. So far the sessions I have attended are very interesting, useful, and well done. Slides and recorded sessions are available right after the session, and plan to be posted, along with other video presentations, for attendees and others in a few days. I will post links on Slack machine-learning channel once the open links are available. (Week 13)
- Participating in GTC conference on line March 24-April 10 (!). Live webcasts, pre recorded sessions and demos, poster sessions. So far the sessions I have attended are very interesting, useful, and well done. Slides and recorded sessions are available within a few days after the session. I have posted links on Slack machine-learning channel. (Week 14)
- Looking forward to reviewing recent work and academic activity on unsupervised learning, recurrent feedback, uncertainty quantification, and adaptation which we will need for video processing in the future. (Week 14)
- Participating in GTC conference on line March 24-April 10 (!). Live webcasts, pre recorded sessions and demos, poster sessions. I have posted links on Slack machine-learning channel. (Week 15)
- NOAA Automated Image Analysis Strategic Initiative monthly telecon April 6. Continued work on VIAME by Kitware. Just releasing a web interface. Beginning to look like a solid capable tool. (Week 15)
- Returning to exploration of One-Shot learning (Week 17)
- Update to project manager on time allocation etc for 2020 (Week 17)
- Video conference call with Franz J. Kurfess (CalPoly), Lubomir P. Stanchev (CalPoly), Danelle regarding NSF Convergence Accelerator: AI-Driven Innovation via Data and Model Sharing call for proposals. That team is moving ahead with a Agriculture / Marine Fisheries proposal, with Danelle and Duane as advisors. (Week 18)
- Returning to exploration of One-Shot learning (Week 18)

- Monthly teleconference with AIASI NOAA task team. Kitware presented a demo of a web based VIAME near ready for use. The system is built in Docker containers, so can be installed on any server. Maybe time to give VIAME another look. (Week 19)
- Continuing One-shot learning exploration. (Week 19)
- Continuing One-shot learning exploration (Week 20)
- Continuing One-shot learning exploration. Worked through Siamese Networks implementation and Matching networks implementation. (Week 21)
- GTC Tech Conference returned with Tuesday-Thursday webinars on new NVIDIA products -- embedded edge products, datacenter hardware and software, new frameworks and tools. (Week 21)
- Continuing One-shot learning exploration: Metrics-based methods (Week 22)
- Continued Nvidia GPU Tech Conference presentations (Jetson Xavier NX and Cloud integration. (Week 22)
- Worked on 2021 project abstract (Week 23)
- Reading through 130 pages of 2021 abstracts in prep for abstract presentations and feedback next week. (Week 23)
- Continued work exploring one-shot/few-shot ML techniques, implementations, and papers (Week 23)
- NOAA AIASI monthly conference call Monday, June 8, 2020 12:30 PM - 1:30 PM. (Week 23)
- NOAA AIASI monthly conference call Monday, June 8, 2020. Presentation on their exploration of AWS Sagemaker (using Sagemaker Groundtruth to do manual bounding box annotations of benthic images) (Week 24)
- Read all 2021 abstracts. Feedback to project manager on relevant Video TAG opportunities. (Week 24)
- Continue work exploring Few Shot learning algorithms. (Week 24)
- Attending Virtual CVPR 2020. Sunday June 14 - Friday June 19. (Week 25)
- 1470 accepted papers, double blind peer reviewed (Week 25)
- ~7,000 virtual attendees. About 45 sessions over 3 days, 4 in parallel for 2 hours. Prerecorded 5 min (oral) or 1 min (posters) video presentations plus slides, paper, supplemental material. Speakers available for chat or zoom questions, answers, interactions during session period. Evening BOF zoom sessions. Even a daily newspaper ... (Week 25)
- About 29 tutorials and about 64 workshops in parallel over 3 days. Zoom plus prerecorded. (Week 25)
- Several workshops and many papers on zero-shot/one-shot/few-shot learning, continual learning, image/video enhancement, other relevant areas (Week 25)
- Wrapped up CVPR. Lots of great work on advanced video processing systems to follow-up. (Week 26)
- Proposal writing. (Week 28)
- Trying out open source code for few-shot image classification from CVPR 2020 paper DeepEMD: Few-Shot Image Classification with Differentiable Earth Mover's Distance and Structured Classifiers (Week 28)
- Reading paper on controlling misclassification error rates in marine automated taxa ID (Week 28)
- Proposal work (Week 29)
- Attending ICML virtual conference Sunday July 11 - Sat July 18. (Week 29)
 - Fabulous tutorial on Representation Learning with labels (i.e. learning features without labeling) from DeepMind. I have the slide set; the 3 hour tutorial was recorded, but the recording is not yet released... (Week 29)
 - I am posting links to papers I think most interesting on the #machine-learning SLACK channel (Week 29)
 - The format of the main conference is a presentation for each paper, 15 minute pre-recorded lecture with slides and speaker view. All 1088 accepted papers are also available to attendees as pdf. (Week 29)
- Reading proposals (Week 30)
- July 12-18. ICML. Virtual conference. (Week 30)
- Proposal reading. (Week 31)
- Telluride Neuromorphic Engineering Workshop. Virtual. 8Am - noon each day this week. (Week 32)
- Returning to one-shot exploration. Experimenting with a MAML implementation. (Week 32)
- Telluride Neuromorphic Engineering Workshop. Virtual. Aug 3-7 lectures and discussions. Aug 13 - Sept 11 team implementation projects. One project team is focusing on few-shot and on-line learning. (Week 33)

- Preparing for ECCV FewShot learning tutorial Saturday, and reading ECCV FewShot papers. Very active ECCV topic. (Week 34)
- Emails regarding phase 1 response (Week 35)
- Attending targeted ECCV presentations, tutorials, workshops (Week 35)
- Participating in ECCV 2020 workshops and attending tutorials. Several were recorded but not available live, so watching those posted workshops this week. (Week 36)
- Continuing exploration of FewShot learning -- tracking, self-supervised learning (Week 37)
- AWS Summit session Sept 29 (Latest SageMaker Studio features) (Week 40)
- Working through SageMaker Studio Debugger (Week 40)
- Learning TensorFlow 2 (Week 40)
- NOAA AIASI monthly telecon Oct 5 (Week 40)
- Working through Amazon SageMaker text (Week 41)
- Webinar Oct 7: MLOps and Reproducible ML on AWS with Kubeflow and Amazon Sagemaker (Week 41)
- Webinars Oct 4: AWS Summit Online Americas. SageMaker Studio and more. (Week 41)
- Reviewed papers for conference and workshop (Week 45)
- Reading through recent few-shot learning papers (Week 46)
- LeCun and others are planning special issue on learning with fewer labels for IEEE PAMI (Week 46)
- Reviewing papers ICRAM 2021 (Week 47)
- Finished reviews for ICRAM 2021 (Week 48)
- AWS CEO Andy Jassy presented new SageMaker features in his AWS re:Invent keynote presentation Tuesday Dec 1. (Week 49)
 - options for data preparation, building ML pipelines, and a feature store. (Week 49)
- AWS re:invent sessions on EC2, DynamoDB, Amplify, serverless, Airflow DataPipelines Dec 2. (Week 49)
- Nvidia DGX Station A100 AI appliance presentation Dec 2. Very cool, very expensive. (Week 49)
- Plan to catch up on missed NeurIPS presentations (Week 51)

901618 - Pelagic-Benthic Coupling

- Paul has identified a paper on camera calibration for Dan and Duane to read (Week 6)
- Duane is experimenting with Matlab toolboxes (one on trial from Mathworks, another opensource from Caltech) applied to calibrating checkerboard targets underwater. (Week 7)
- Assisted Paul McGill & Alana in capturing calibration images for DiSCO Coral Observatory Camera (to deploy next week) (Week 9)
- Evaluated captured calibration images for DiSCO Coral Observatory Camera deploying this week using trial MathWorks Computer Vision Toolbox App. In water calibration ran smoothly; results to be presented to Jim Barry this week. (Week 10)
- Camera calibration results presented to Jim Barry by Paul McGill. At decision point on Matlab toolbox purchase. (Week 11)
- Mathworks authorized a one month extension on Matlab Computer Vision Toolkit trial license so I could continue evaluation and demonstration. (Week 12)
- Mathworks Matlab Computer Vision System toolbox trial extended one month, to mid April (Week 13)
- Waiting for input from Paul McGill regarding purchase. This may need to wait until we are back at Moss Landing. (Week 13)
- Touched base with Paul McGill on 2020 plans, 2021 proposal (Week 28)
- Brief email exchange with Paul McGill coordinating for upcoming cruise. (Week 29)
- Emails to Dan Davis and with Paul McGill (Week 35)
- Green light to purchase MatLab Computer Vision Toolbox and maintenance ASAP to support analysis of recent dive footage (Week 42)
- Plan to do analysis as soon as license is available. (Week 42)
- Running matlab computer vision toolbox camera calibration app on images of checkerboard taken on recent Pelagic-Benthic cruise to debug algorithm and evaluate performance (Week 43)

- Preparing to calibrate 3 laser system on Doc Ricketts with Paul McGill Thurs-Mon Oct 22-26 for upcoming station M cruise. Pre-cruise Covid-19 test on dock Thurs Oct 22 9AM. (Week 43)
- With Paul McGill installed 3-laser laser measure system on Doc Ricketts, and captured in-air calibration images. Images have been corrected and calibration performed. (Week 44)
- Using matlab to perform in-water calibration of images from ROV video of checkerboard pattern. (Week 44)
- Updated matlab to 2020b on matlab mac system. (Week 44)
- Matlab work with toolbox and calibration images (Week 45)
- Paul is working on the benthic in-water checkerboard calibration frame grabs from recent station M cruise (Week 46)
 - Duane to run through Matlab vision toolbox calibration program when Paul has released the frame grabs. (Week 46)
- Dan Davis has processed the in-air laser calibration images and reports that the calibration looks good. (Week 46)
- Running matlab Computer Vision Toolbox camera calibration code, writing some matlab, and running Dan's LaserMeasure code on images collected by Paul McGill on recent P-B C dive. So far so good. Attempting to increase the number of "good" images for calibration app by enhancing the images. (Week 47)
- Returning to analysis of calibration images and benthic transect images (Week 49)
- Work to do to try to enhance images for calibration (Week 51)
- Work to do to run Dan's program on in-air calibration images (Week 51)

901915 - Improving MBARI Data Impa

- Project meeting scheduled for Thursday Jan 30. (Week 5)
- Team meeting (Week 6)
- Training session on Logging and Monitoring in AWS (Week 6)
- Weekly meeting; lunchtime learning session on centralized logging with Elastic Stack. (Week 7)
- Productive meeting with VideoLab (the whole lab) on requirements and use cases. (Week 7)
- Project working session (Week 11)
- Team meeting (Week 14)
- Proposal review (Week 29)
- Reading AWS Developer Guide on Authorization and Security (Week 33)

902004 - Planktivore

- Continuing work to build Taxonify backend on windows 10 system. Front end running; work to do on configuration. (Week 7)
- Built clone of github repository for Taxonify application; successfully built backend system (celery, mongodb, rabbitmq, swagger editor and ui, gunicorn,...). Next step is to hook it up to Taxonify UI and populate with some test images. (Week 10)
- Built SPCCConvert on Windows10. Issue with testing images (from IFCBS) posted to GitHub. (Week 11)
- Next step: figure out how timecodes are handled in SPCCConvert and Taxonify. (Week 11)
- Next step: figure out how timecodes in images are handled in SPCCConvert and Taxonify. (Week 12)
- Update to project manager on time allocation etc for 2020 (Week 17)
- Abstract planning teleconference with project lead next week. (Week 20)
- Abstract preparation meeting planned. (Week 21)
- Abstract input to Project Lead (Week 22)
- Contributed to 2021 project abstract (Week 23)
- Attended all 2021 abstract presentations June 10, including Planktivore. (Week 24)
- Touched base with Thom M. on 2021 proposal. (Week 28)

902005 - VARS Annotation Assistance

- Project "kick-off" meeting held Tues Jan 28. (Week 5)
 - Duane presented status of SageMaker exploration (Week 5)

- Weekly VAA working session Monday Jan 27 (Week 5)
 - Demonstrated integration of MLflow with Sagemaker (Week 5)
 - SageMaker Docker image model creation in MLflow (Week 5)
 - Model upload from MLflow to AWS Elastic Container Registry (ECR) (Week 5)
 - Create SageMaker Model Inference Endpoint (Week 5)
- Demonstrated serverless deployment of ML model for inference in AWS environment via Chalis (Lambda) (Week 6)
- Weekly VAA working session Monday Feb 3 (Week 6)
 - Continuing work on integration of MLflow into AWS (Week 6)
 - Working on draft schematic diagram of VAA components and dataflow (Week 6)
- Continuing work on integration of MLflow into AWS. Cloud9 and shared environments are cool! (Week 7)
- Next step, configure a workflow in SageMaker... (Week 7)
- Working on implementing MLFlow workflow on SageMaker with Conda3 kernel jupyter notebook (Week 8)
- Tasked with loading FathomNet frames into VARS (Week 8)
- Continued work on implementing MLFlow workflow on SageMaker with Conda3 kernel jupyter notebook (Week 9)
- Exploring SageMaker Studio and SageMaker Debugger (new AWS tools in Preview) (Week 9)
- Reviewing summer intern applicants. (Week 10)
- Reviewed summer intern applicants. Prioritized list of applicants sent to George et al. (Week 11)
- Successfully built an environment to do SageMaker model training locally while utilizing SageMaker infrastructure transparently. This allows easy decision of local vs cloud data, local vs cloud model training, and local vs cloud deployment without code changes or drama. (Week 11)
- Danelle is leading us in Sprint to do VAA-32 Ingest localized images (Week 12)
- Cloned repository into working directory on digits-dev-box-fish. Working over VPN through steps outlined by Brian S. and Danelle. (Week 12)
- Participating in Sprint with Danelle on taking video file, image, and annotation datasets that have been generated over the last few years and preparing them to register with M3. (Week 13)
- Coordinate work over Slack, BitBucket, and M3 stack running on Digits-dev-box-fish (server running at MBARI Moss Landing). Jupyter notebooks, Python. (Week 13)
- Brian, Danelle great to work with over slack (text and audio chats)! (Week 13)
- Returning to Sprint with Danelle on taking video file, image, and annotation datasets that have been generated over the last few years and preparing them to register with M3. (Week 14)
- Continuing work with Danelle on taking video file, image, and annotation datasets that have been generated over the last few years and preparing them to register with M3. (Week 15)
- Update to project manager on time allocation etc for 2020 (Week 17)
- Nvidia webinar on Virtual GPU technology and offerings April 22 (Week 17)
- Slack call with Danelle; status update and plan for this week's work (Week 17)
- Project manager has called a group meeting Thursday April 23. (Week 17)
- Tasks on VAA-32 registering videos. Returning to docs and code examples. (Week 18)
- Work continues on registering video files into M3. (Week 19)
- Weekly team meeting via teleconference. (Week 19)
- Work continues on registering video files into M3. Waiting for news that files have been moved to The Right Place on Titan... (Week 20)
- Weekly team meeting via teleconference. (Week 20)
- Teleconference scheduled with 2020 intern Peyton Lee. (Week 20)
- Work continues on registering video files into M3. Needed to update the filenames to match creation_timestamp metadata (Week 21)
- Weekly team meeting via teleconference. VideoLab presentations to UCSC folks. (Week 21)
- Teleconference with 2020 intern Peyton Lee. (Week 21)
- Some preparation for intern Peyton Lee, including CoLab / Google Cloud exploration and setup info. (Week 22)
- Explored Google Cloud Platform buckets and integration with CoLab environments. Works! (Week 23)
- Intern Peyton Lee starts ~June 8 (Week 23)

- Project kickoff with summer intern Peyton Lee. We will be planning 3x/week virtual meetups while he gets going. (Week 24)
- Project status meeting June 11. (Week 24)
- Meeting with Intern Peyton Lee Monday June 15. He is making great progress. (Week 25)
- Intern Peyton is making great progress! (Week 26)
- Team meeting scheduled for June 25. (Week 26)
- Validated M3 registration of MBARI2017 and SRI-Rockfish video files. (Week 28)
- Informative zoom meeting with UCSC Leila Takayama, Henry Zhou on Human-HL interaction/infoviz (Week 28)
- Proposal review (Week 29)
- On-going intern communications (Week 29)
- Project tasks (Week 30)
- Intern teleconferences (Week 31)
- Tri-weekly intern meetings. (Week 32)
- Tri-weekly intern meetings. Presentation Aug 12. (Week 33)
- Team meeting Aug 20. Work on Phase 2 proposal. (Week 34)
- Spin up Metaflow framework -- workflow candidate (Week 34)
- Gearing up for Metaflow experiment (Week 35)
- Reviewing AWS materials (Week 35)
- Team meeting Aug 20 included phase 1 response discussion and preparation. (Week 35)
- Exploring Metaflow, Cortex tools with Danelle (Week 37)
- Work on accessing M3 prores files. Thanks to IS, we now have a mount point to titan M3 on our dev-box. (Week 38)
- Uploaded "calpoly" mezzanine and prores file to AWS S3 (Week 38)
- Exploring AWS SageMaker Studio (Week 38)
- Working through SageMaker Studio evaluation / training (Week 39)
- Successful 1 epoch training trials of deepsea-efficientdet model (Danelle's docker image) with voc_crop_896x896 image crops (and 512x512 image crops) in SageMaker Studio. Collected training time and AWS cost statistics. Interfaced with WANDB and SageMaker artifact reporting and plotting. Learning how to control costs in SageMaker Studio... (Week 41)
- ~Daily work sessions with Danelle. (Week 42)
- Running training jobs on AWS SageMaker Studio. (Week 42)
- Coming up to speed on Spot instance use (saves cost, 70% in my experiment) for ML training. (Week 42)
- Working on tfEfficientDet detector/classifier to run on AWS SageMaker Studio (Week 43)
- Continuing AWS SageMaker Studio work with Danelle on tfEfficientDet detector/classification code (Week 44)
- Successfully ran multi-epoch spot training (70% cost saving over on-demand run) (Week 44)
- Spinning up on Amplify and Vue on AWS. (Week 47)
- Team meeting Dec 10 (Week 51)
- Status meeting Dec 15 (Week 51)
- Update session with Danelle planned for this week. (Week 51)

Out of Office

- Yep. Sheltering in place.
- [Nightly Met Opera Streams](#) free series of encore Live in HD presentations streamed on the Metropolitan Opera of New York website and apps (ROKU etc) during the coronavirus closure
 - Next week is all Wagner, one per evening. Whew.
 - This week is all Wagner, one per evening. Whew.
- Yep. Sheltering in place. Last venture out of the house (except for quiet walks) March 27. Everyone is well.
 - This week wraps up the series. Ends Sunday.
- [National Theatre Live](#) is planning similar weekly free broadcasts starting this Thursday.

- James Corden in “*One Man, Two Guvnors*” (modern adaptation of “*A servant of two Masters*”) Tony Award-winning performance starts Thursday 2 April from 7pm UK time, for the much-loved National Theatre Live production, free to stream on YouTube for seven days.
- Taking a 2 day vacation this week to rest, read, bake, garden... Tulips are blooming!
- April 8-9: Vacation
- April 13-15: Out sick
- Friday April 17 “touch base” zoom meeting
- Internet outage at home April 27-28. Now OK...
- Vacation Friday.
- June 14-19. CVPR. Virtual registration at nominal charge for IEEE Life Members.
- June 14-19. CVPR. Virtual registration at nominal charge for IEEE Life Members.
- Working through AWS Security training course.
- June 14-19. CVPR. Virtual conference. Workshops, tutorials and presentations.
- NOAA AIASI monthly conference call Monday, June 8, 2020 12:30 PM - 1:30 PM.
- Vacation Monday June 22.
- Vacation planned for Friday June 26.
- Friday June 26, July 10.
- July 12-18. ICML. Virtual conference.
- Aug 23 -28. ECCV. Virtual conference. Workshops, tutorials and presentations.
- Friday July 24, July 31.
- Friday July 31. Vacation.
- Aug 3 - 7. Telluride Neuromorphic Engineering Workshop. Virtual.
- Aug 14. Vacation.
- Aug 21. Vacation.
- Aug 22 - 28. ECCV. Virtual conference. Workshops, tutorials and presentations.
- Sept 4. Vacation
- Sept 11. Vacation
- Sept 24 Vacation
- Vacation Oct 9.
- Oct 6. Watched the keynote of Nvidia GTC 2020 (running now, free registration). Amazing capabilities and product developments.
- Vacation Oct 16.
- Oct 14. Watched webinar from RedHat on Containers, Kubernetes, Open Shift, Red Hat training opportunities.
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- AWS 3 hour webinar Oct 29
- Vacation Oct 30
- Out Weds Nov 11
- Vacation Fri Nov 13.
- AWS re:invent virtual conference Nov 30 - Dec 18
- Neurips 2020 virtual conference Dec 6 - 12
- Vacation Fri Nov 23 - 25
- Vacation Fri Nov 20, Nov 23 - 25
- Vacation Fri Dec 18, Dec 21 - 31

Out of Office .

Overhead

- Attended ER prep meeting (Week 9)
- Attended ER presentations Weds Morning. (Week 9)
- Lunch-time training: Kafka overview. (Week 10)
- Working through Learn Docker in a month of lunches book (Week 11)

- Reviewed interesting paper on Automated Instrument Integration Scheme (using PUCK and other technologies!) for Ocean Observatories, for MDPI Sensors Journal. (Week 11)
- Gathered laptops and files and books and references from office March 15. (Week 12)
- Set up a home office with laptops and stuff. So far so good. (Week 12)
- Webinar "How to scale Kubernetes in AWS" March 18 (Week 12)
- Webinar "Cloud Backup Service" from NetApp March 19 (Week 12)
- Slack / Zoom group, engineering meetings. (Week 13)
- Paper that I reviewed for MCPI Sensors was recently published Jellytoring: Real-Time Jellyfish Monitoring Based on Deep Learning Object Detection (Week 13)
- Group meeting over Slack. (Week 14)
- Engineering meeting. Thanks for making Zoom recording available. (Week 14)
- Upgraded home workstation environment to enable better ergonomics and productivity. (Week 14)
- Group meeting on SLACK, Engineering Zoom weekly info meeting. (Week 15)
- Engineering weekly zoom status meeting (Week 17)
- Email to Doug Au regarding PUCK use in community (Week 17)
- Weekly engineering meeting April 28. (Week 18)
- Kevin group meeting May 1. (Week 18)
- Group meeting. (Week 19)
- NVIDIA webcasts. (Week 19)
- Weekly Engineering teleconference (Week 20)
- Weekly group meeting (Week 20)
- Engineering, group, teleconferences. (Week 21)
- RedHat Developer DevNation presentations on Kubernetes Mon / Weds AM. (Week 23)
- TechStrong Con Virtual Summit Thursday June 4. 6AM PDT. (Week 23)
- Group meeting June 15. Engineering meeting June 16. (Week 25)
- Returned to "Learn Docker in a month of lunches" book over noon hour. (Week 31)
- Group meeting, department meeting. Intern presentations. (Week 33)
- Group meeting (Week 34)
- Weekly NOAA AI initiative Workshop teleconference Thursdays. (Week 34)
- Lunchtime reading AWS: IAM and VPN and EC2. (Week 34)
- Ken Johnson seminar, engineering telecom, group meeting (Week 35)
- Sept 9 seminar NOAA: Sunburst Sensors: Oceanographic Instrumentation from Montana to Mauritius (Week 37)
- Sept MBARI biweekly seminar (Week 37)
- Sept 10 group meeting (Week 37)
- Engineering meeting Sept 15 (Week 38)
- Group meeting Sept 21 (Week 39)
- Seminar Sept 23 (Week 39)
- From Docker Straight to AWS webinar Sept 30 (Week 40)
- Board bullets submitted (Week 40)
- MBARI seminar (NOAA) Set 23 (Week 40)
- Oct 7 Webinar: Intel Real Sense L515 worlds smallest Hi-resolution LiDAR camera. Very cool. (Week 41)
- Oct 2: Group Meeting (Week 41)
- Oct 6: Dept Meeting (Week 41)
- Group meeting Oct 12 (Week 42)
- Reviewed paper for Fisheries Research (Week 42)
- *Group meeting Oct 19. (Week 43)*
- Engineering department zoom meeting (Week 44)
- Refreshing knowledge of matlab programming (Week 44)
- Reviewing papers for upcoming Underwater Image Analysis workshop IAPR CVAUI (Week 44)
- Reviewing papers for ICPRAM 2021 (Week 44)
- Group meeting Nov 2 (Week 45)

- Group meeting Nov 9 (Week 46)
- Dept zoom meeting Nov 10 (Week 46)
- Engineering virtual meeting, Nov 24 (Week 48)
- Participated in “jury” of capstone presentations from University of Victoria ECE399 course projects. Of the 3 competing projects, one was MBARI proposed ROV LiDAR project. Dec 1. (Week 49)
- Home internet outage (regional Monterey DSL) Dec 7 -15 (Week 51)
- Home T-Mobile cellular MiFi adapter procured to mitigate outage (Week 51)