
EE/CprE/SE 491 WEEKLY REPORT 10

4/17/23 - 4/30/23

Group number: 4

Project title: CLARE: The Lab Availability Tracker

Client &/Advisor: Mohamed Selim/Ahmed Nazar

Team Members/Role:

Evan Uhlmeyer - Meeting leader

Frank Sullivan - Team website manager

Jorge Ortiz - Main client contact

Tyler Rolston - ETG and external contact

Joel Neppel - Course assignment manager

○ **Weekly Summary**

- Had a team meeting where each member presented what they had learned/worked on during the semester
- Met with client and advisor to have a mock presentation to prepare for faculty panel
- Continued to make progress on website and image processing

○ **Past week accomplishments**

- Evan Uhlmeyer
 - Worked on Design Document as well as faculty presentation
 - Did testing to determine current accuracy of image recognition model
- Tyler Rolston
 - Design for occupancy web page
 - Frontend training
- Joel Neppel
 - Discussed backend outline with Jorge
 - Researched web development technologies
 - Experimented with Flask
- Frank Sullivan
 - Began testing YOLOv5 pretrained models using data retrieved from Evan's script

- Investigated options for indoor datasets/how to use YOLO with other datasets
- Jorge Ortiz:
 - Created outline of backend with Joel
 - Worked on presentation
 - Investigated how Canvas Apps work
 - Began technical work on backend with flask

Individual contributions

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Joel Neppel		8	23
Jorge Ortiz	Presentation, backend outline, Canvas App investigation, Flask technical work	15	28
Tyler Rolston	UI design, frontend technology training	8	22
Frank Sullivan	Pretrained model testing, alternate dataset investigation	8	21
Evan Uhlmeier	Final doc/presentation Computer vision testing	6	22

○ Plans for the upcoming week

- Evan Uhlmeier
 - Continue testing computer vision, be able to present specific numbers
 - Work with Frank on dataset decisions
- Tyler Rolston
 - Finalize web page designs for presentation
- Joel Neppel
 - Continue backend implementation
- Frank Sullivan
 - Narrow down dataset choices
 - Attempt using YOLO with new dataset (pretrained on COCO)
- Jorge Ortiz
 - Prepare for presentation
 - Get basic outline of backend as code