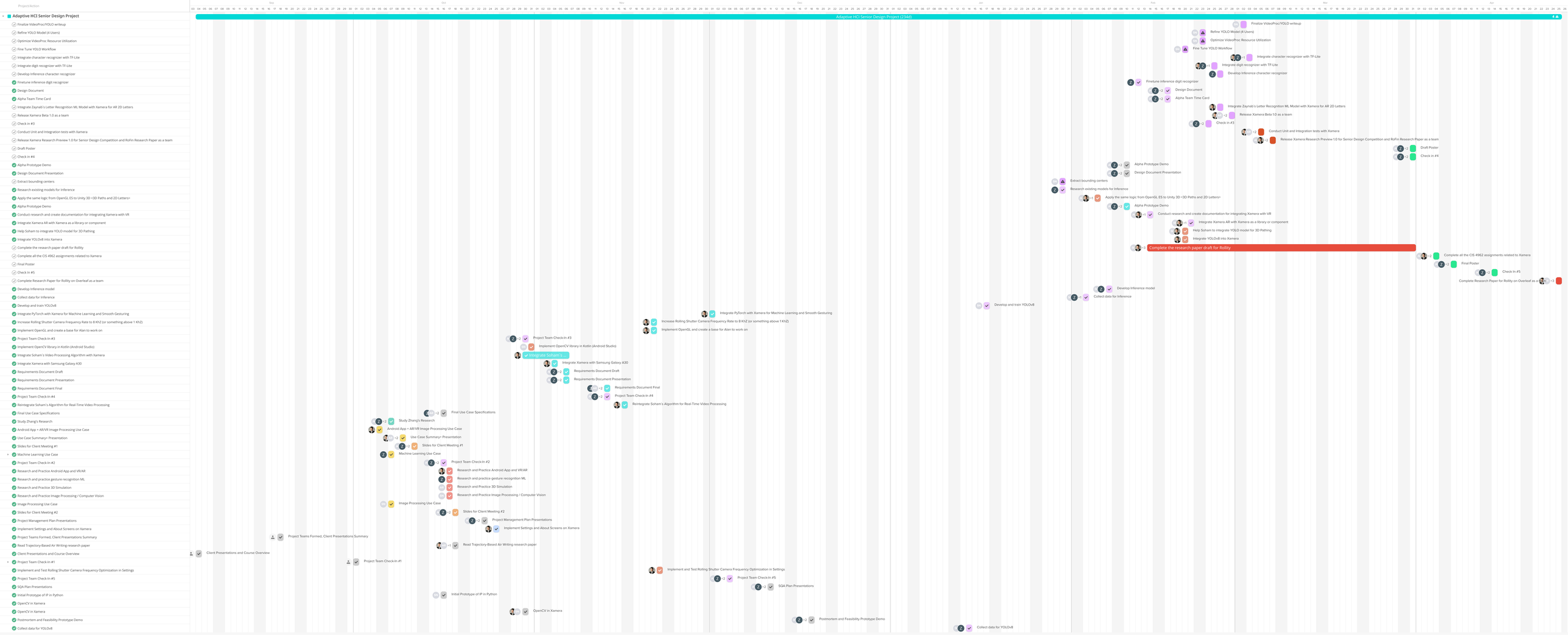
Project/Action
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
Adaptive HCI Senior Design Project
Adaptive HCI Senior Design Project (2340)
Finalize VideoProc/YOLO writeup
Refine YOLO Model (4 Users)
Optimize VideoProc Resource Utilization
Fine Tune YOLO Workflow
Integrate character recognizer with TF-Lite
Integrate digit recognizer with TF-Lite
Develop Inference character recognizer
Finetune inference digit recognizer
Design Document
Alpha Team Time Card
Integrate Zaynab's Letter Recognition ML Model with Xamera for AR 2D Letters
Release Xamera Beta 1.0 as a team
Check in #3
Conduct Unit and Integration tests with Xamera
Release Xamera Research Preview 1.0 for Senior Design Competition and RoFin Research Paper as a team
Draft Poster
Check in #4
Alpha Prototype Demo
Design Document Presentation
Extract bounding centers
Research existing models for Inference
Apply the same logic from OpenGL ES to Unity 3D <3D Paths and 2D Letters>
Alpha Prototype Demo
Conduct research and create documentation for integrating Xamera with VR
Integrate Xamera AR with Xamera as a library or component
Help Soham to integrate YOLO model for 3D Pathing
Integrate YOLOv8 into Xamera
Complete the research paper draft for Rollity
Complete all the CIS 4962 assignments related to Xamera
Final Poster
Check In #5
Complete Research Paper for Rollity on Overleaf as a team
Develop Inference model
Collect data for Inference
Develop and train YOLOv8
Integrate PyTorch with Xamera for Machine Learning and Smooth Gesturing
Increase Rolling Shutter Camera Frequency Rate to 8 KhZ (or something above 1 KhZ)
Implement OpenGL and create a base for Alan to work on
Project Team Check-In #3
Implement OpenCV library in Kotlin (Android Studio)
Integrate Soham's ...
Integrate Xamera with Samsung Galaxy A30
Requirements Document Draft
Requirements Document Presentation
Requirements Document Final
Project Team Check-In #4
Reintegrate Soham's Algorithm for Real-Time Video Processing
Final Use Case Specifications
Study Zhang's Research
Android App + AR/VR Image Processing Use Case
Use Case Summary+ Presentation
Slides for Client Meeting #1
Machine Learning Use Case
Project Team Check-In #2
Research and Practice Android App and VR/AR
Research and practice gesture recognition ML
Research and Practice 3D Simulation
Research and Practice Image Processing / Computer Vision
Image Processing Use Case
Slides for Client Meeting #2
Project Management Plan Presentations
Implement Settings and About Screens on Xamera
Project Teams Formed, Client Presentations Summary
Read Trajectory-Based Air Writing research paper
Client Presentations and Course Overview
Project Team Check-In #1
Implement and Test Rolling Shutter Camera Frequency Optimization in Settings
Project Team Check-In #5
SQA Plan Presentations
Initial Prototype of IP in Python
OpenCV in Xamera
Postmortem and Feasibility Prototype Demo
Collect data for YOLOv8