Farm-to-Plate AI: Enhance Freshness and Reduce Waste with Robotics and Computer Vision

GHC 2023 Level Up Lab Proposal Images

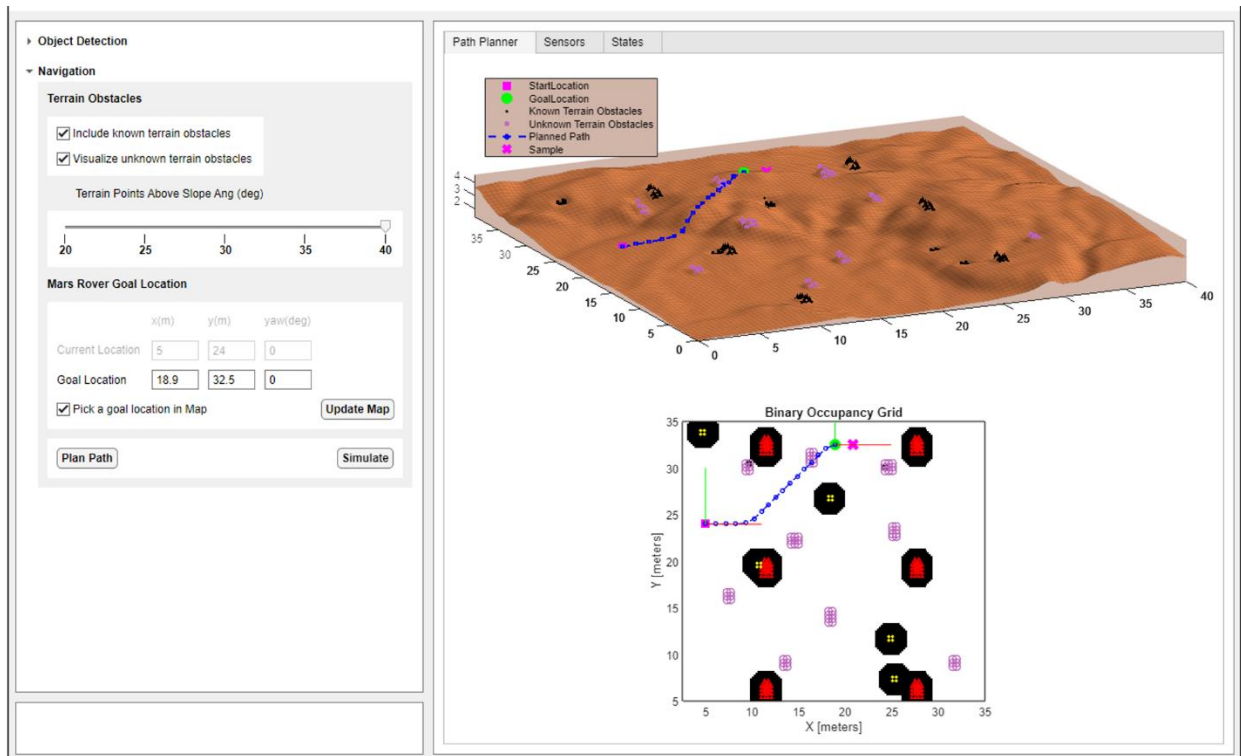Figure 1. Lifecycle of (mango) fruit from orchard to market

Figure 2. Path planning simulation for an autonomous robot as it navigates a field
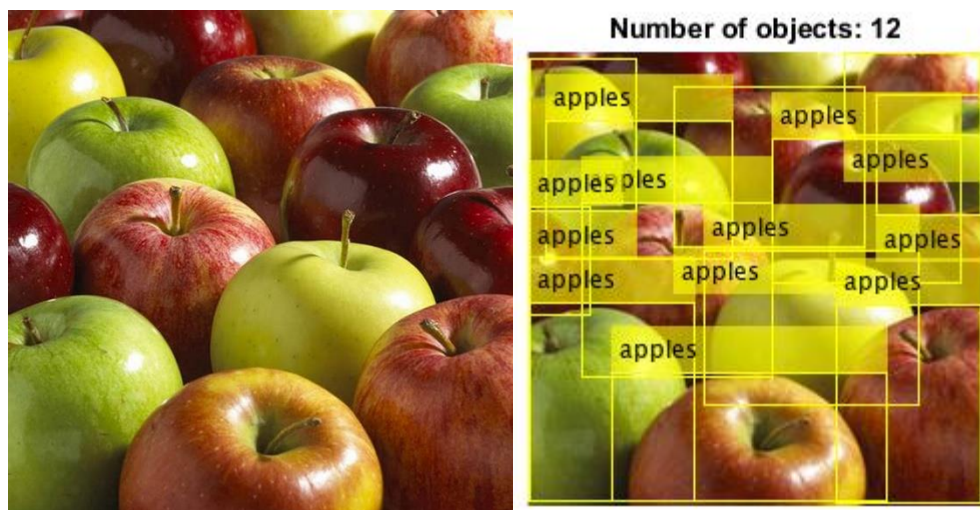
Figure 3. Visualization of the bounding boxes predicted by YOLOv3 in a photo of apples
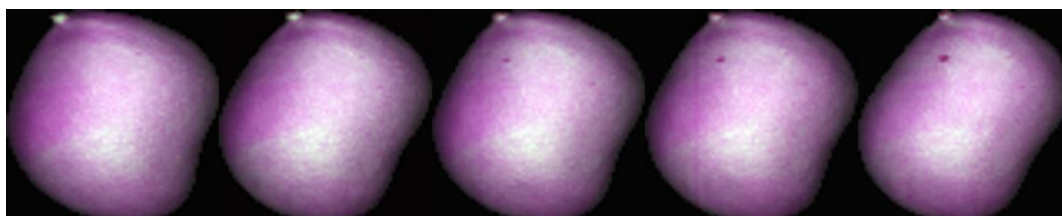

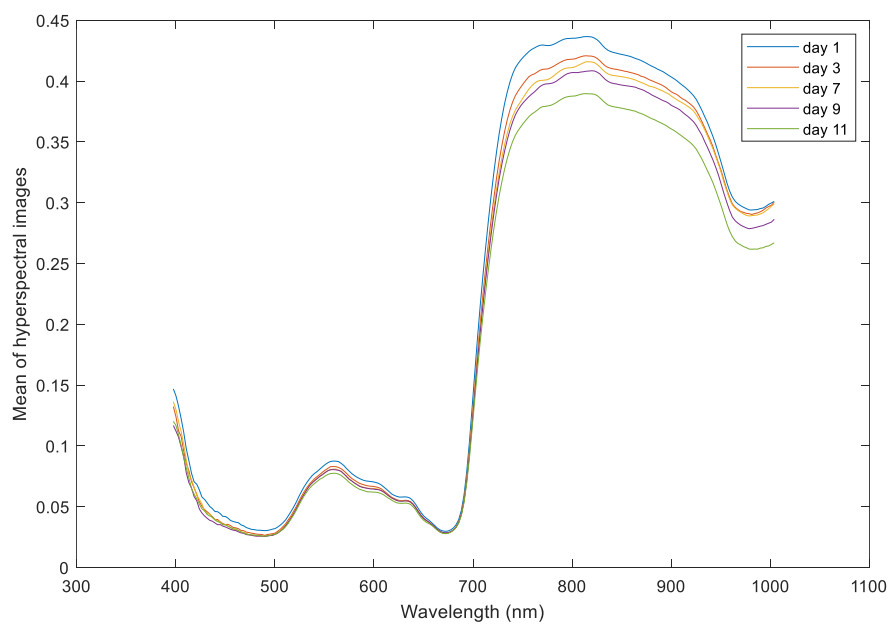Figure 4. Hyperspectral images of a mango on days 1, 3, 7, 9, and 11

Figure 5. Mean of hyperspectral images of mango for days 1, 3, 7, 9 and 11