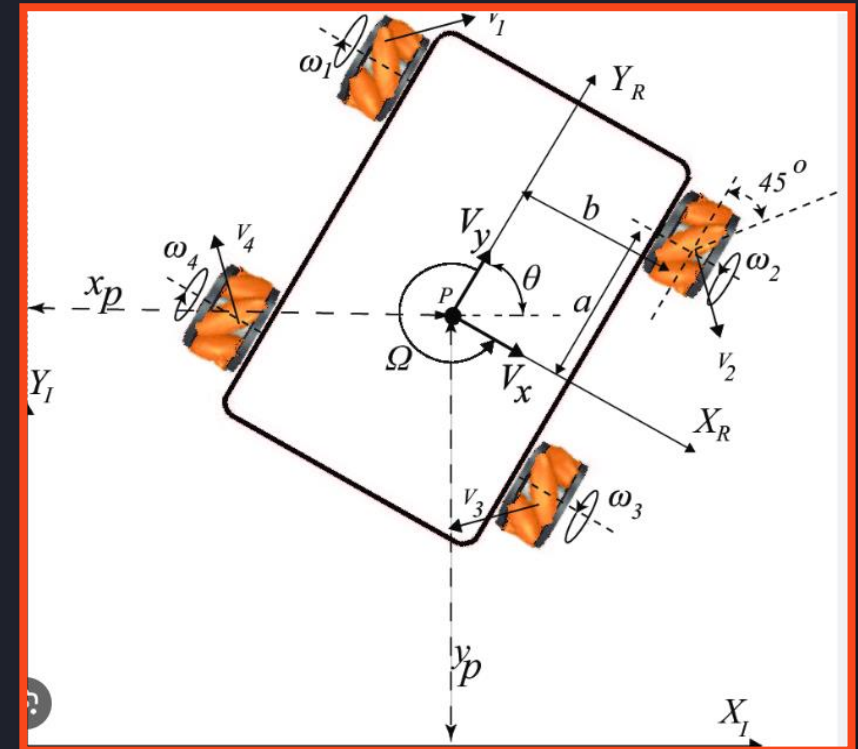


# Future Work

- Increase QR code scanning height up to 6ft
  - Adjust resolution, sharpen, and perform various transforms on images
- Avoid obstacles shorter than 6 inches
- Developing a function that uses motor encoder feedback, to provide necessary PWM to each wheel
- Navigate with Lidar
  - Motion planning
  - Obstacle avoidance

Mecanum wheel function



# QR Perspective Analysis

Original Image



Identifying Coordinates



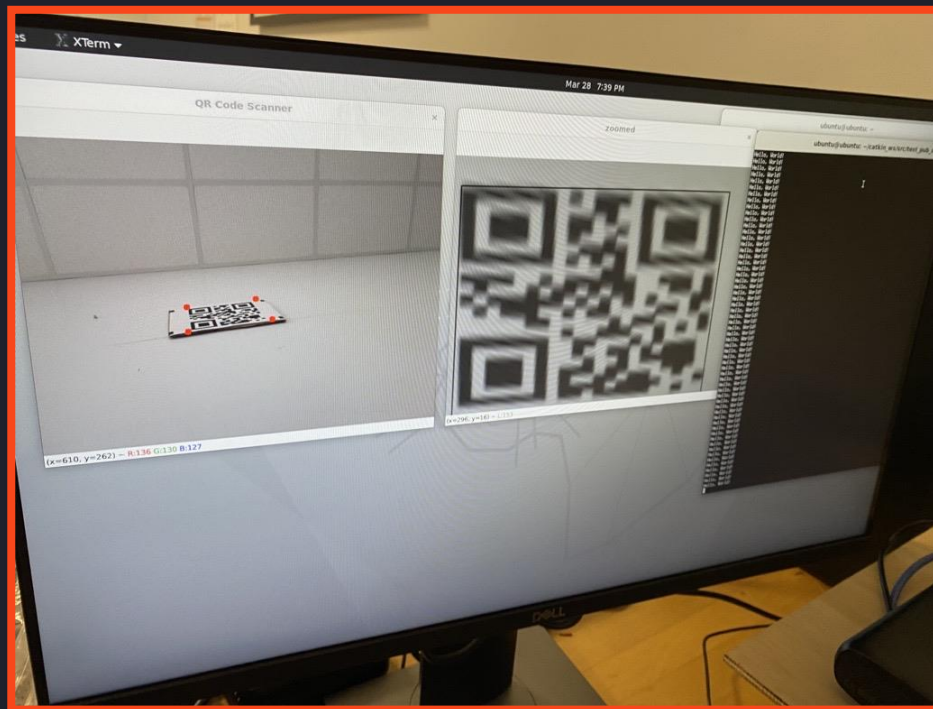
Final Image



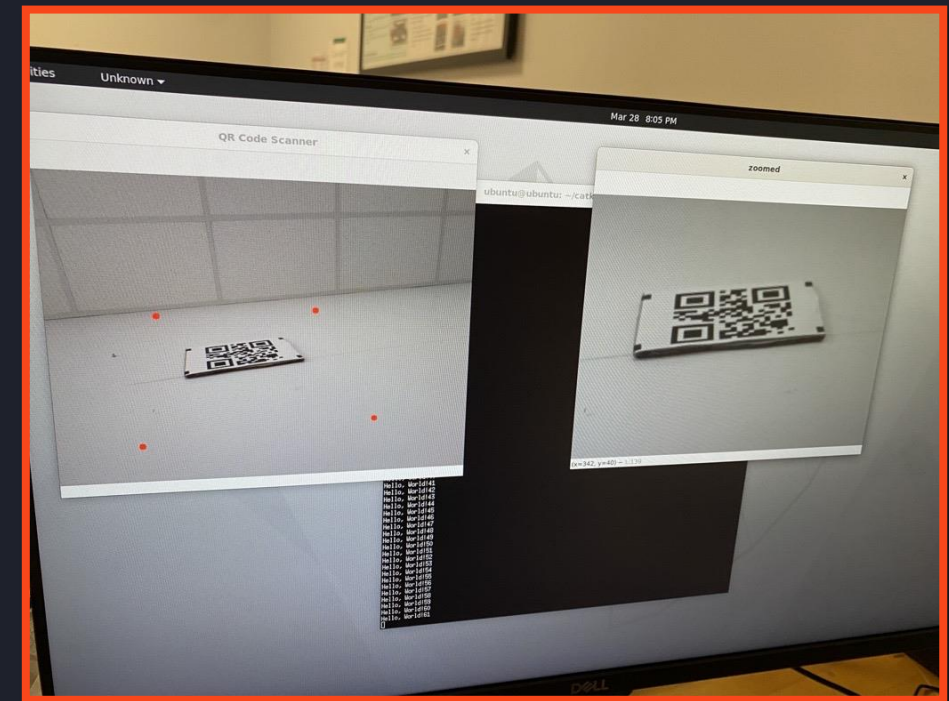
Ian Scofield

# QR Perspective Analysis

Perspective Transformation  
(QR Code Only)



Perspective Transformation  
(Expanded view)



Ian Scofield