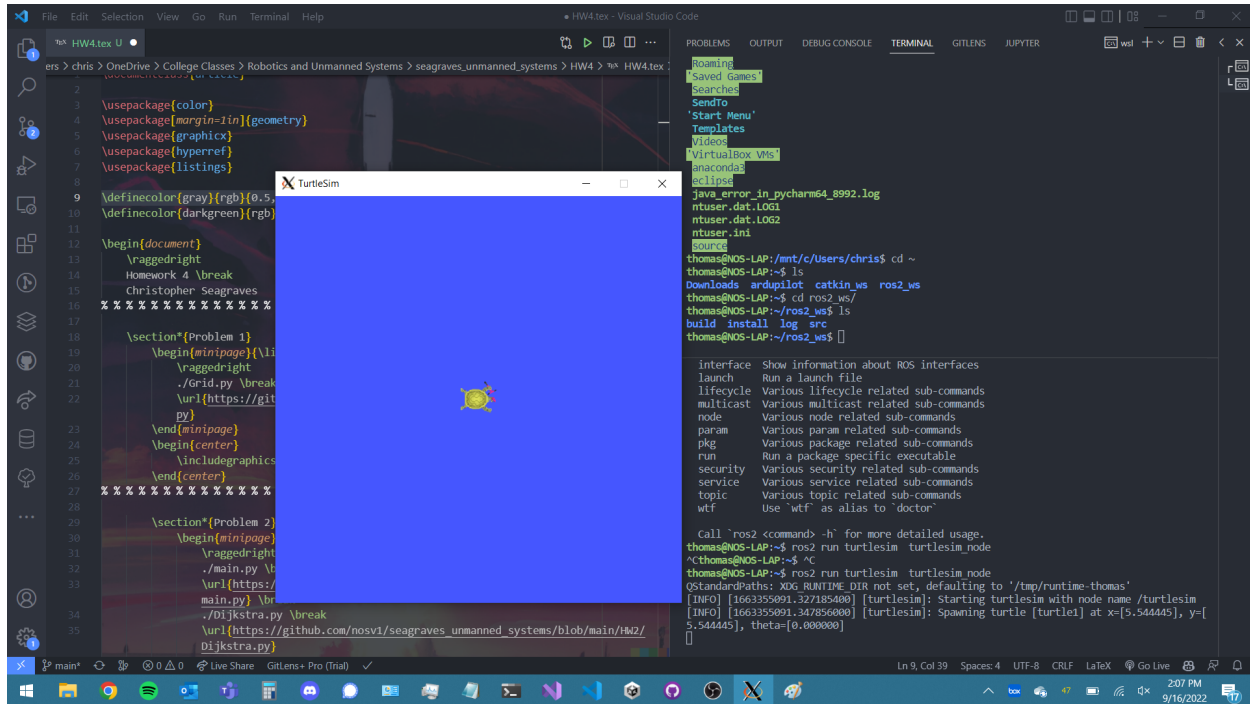


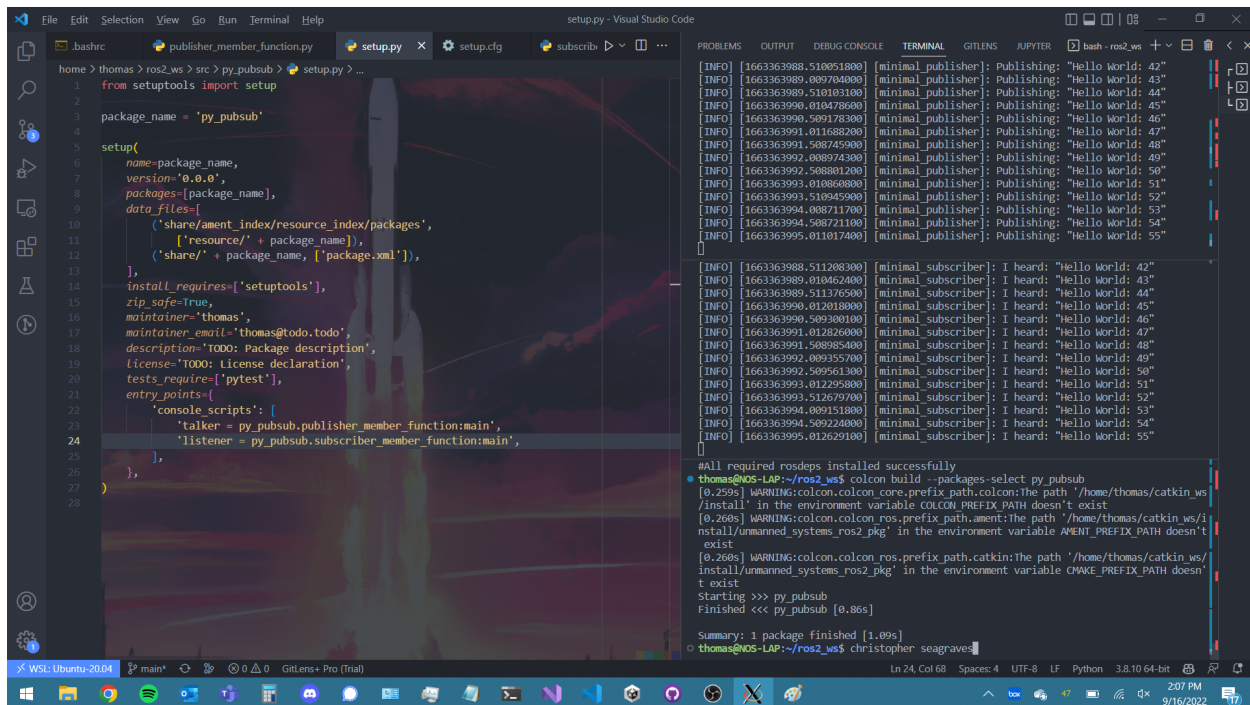
## Homework 4 Christopher Seagraves

### Problem 1



The screenshot shows a Visual Studio Code editor with a LaTeX document titled "HW4.tex". The document contains a preamble with package imports for color, margin, geometry, graphics, hyperref, and listings. It also includes a document structure with sections for Problem 1 and Problem 2. A TurtleSim window is open in the center, displaying a blue background with a yellow robot icon. The terminal window on the right shows the execution of ROS commands, including `ros2 run turtlesim turtlesim_node`, and the output of the `ros2 run` command, which shows the turtle's position and orientation.

### Problem 2



The screenshot shows a Visual Studio Code editor with a Python script titled "setup.py". The script defines a ROS2 package named "py\_pubsub" and sets up the package's metadata, including the name, version, author, and entry points. The terminal window on the right shows the execution of the `colcon build` command, which builds the package and its dependencies. The output of the build command shows the package being built successfully and the resulting binaries.

# Problem 3

