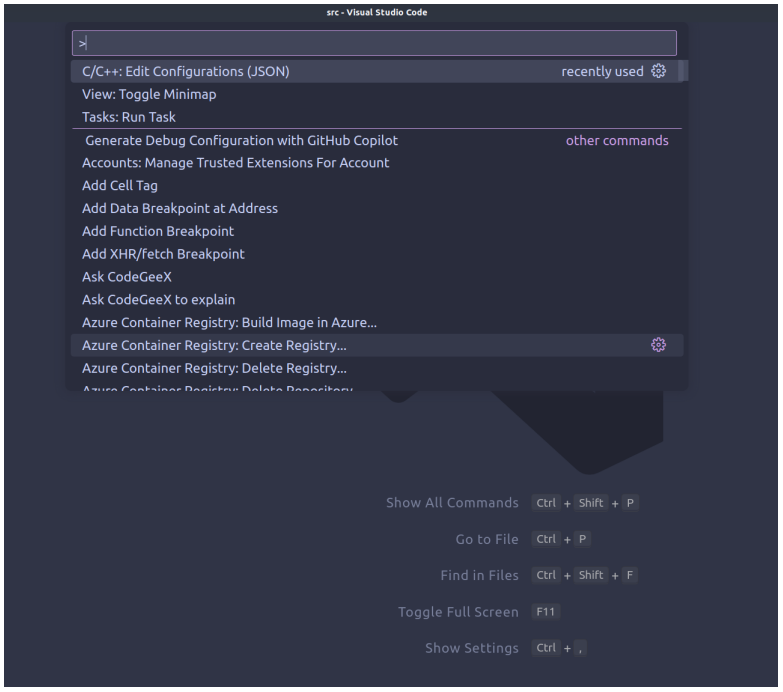
Setup VSCode for ROS Developing

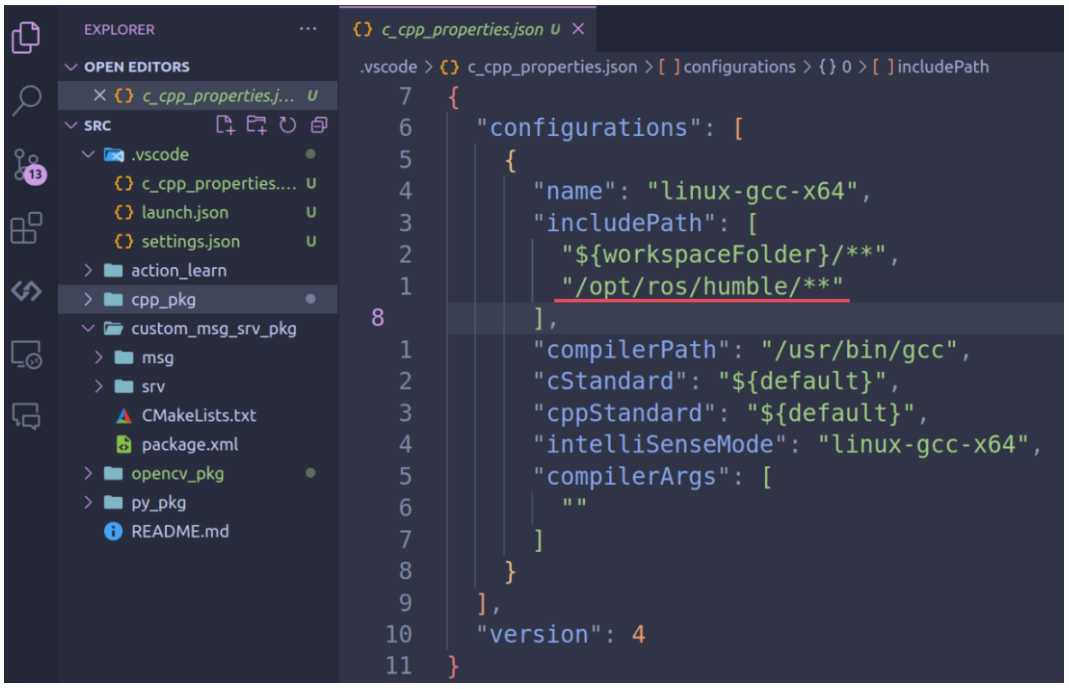
1. 添加ros包的IncludePath：

- `ctrl+shift+p` 打开vscode的控制面板，点击`C/C++: Edit Configurations (JSON)`



之后在当前目录下会生成`.vscode`文件夹

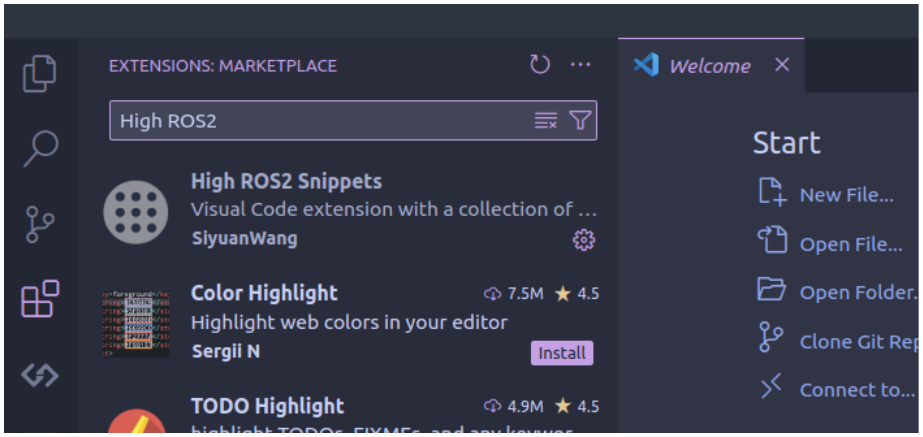
- 打开`.vscode/c_cpp_properties.json`，在`includePath`中添加ros的路径:



之后再编写C++的ROS相关代码时候，就可以使用代码补全功能。

2. 安装一些插件辅助编程：

对于ROS编程，有很多重复的代码片段，安装一个代码片段插件会提高代码书写效率。可以在插件市场安装`High ROS2 Snippets`，替补代码片段补全功能：



之后便可以使用代码片段补全功能，如：

CMakeLists.txt

cpp_pkg > CMakeLists.txt

```
ament_target_dependencies(talker rclcpp std_msgs)
ament_target_dependencies(listener rclcpp std_msgs)
ament_target_dependencies(server rclcpp example_interfaces)
ament_target_dependencies(client rclcpp example_interfaces)
ament_target_dependencies(mymsg_publisher rclcpp custom_msg_srv_pkg)
ament_target_dependencies(mysrv_server rclcpp custom_msg_srv_pkg)
ament_target_dependencies(mysrv_client rclcpp custom_msg_srv_pkg)
ament_target_dependencies(myparam rclcpp)

ros2instal
```

ros2_cmakelists_install… Install Tar…

CMakeLists.txt

cpp_pkg > CMakeLists.txt

```
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ament_target_dependencies(mysrv_server rclcpp custom_msg_srv_pkg)
ament_target_dependencies(mysrv_client rclcpp custom_msg_srv_pkg)
ament_target_dependencies(myparam rclcpp)

install(TARGETS
  exec_1
  exec_2
  DESTINATION lib/PROJECT_NAME)
```