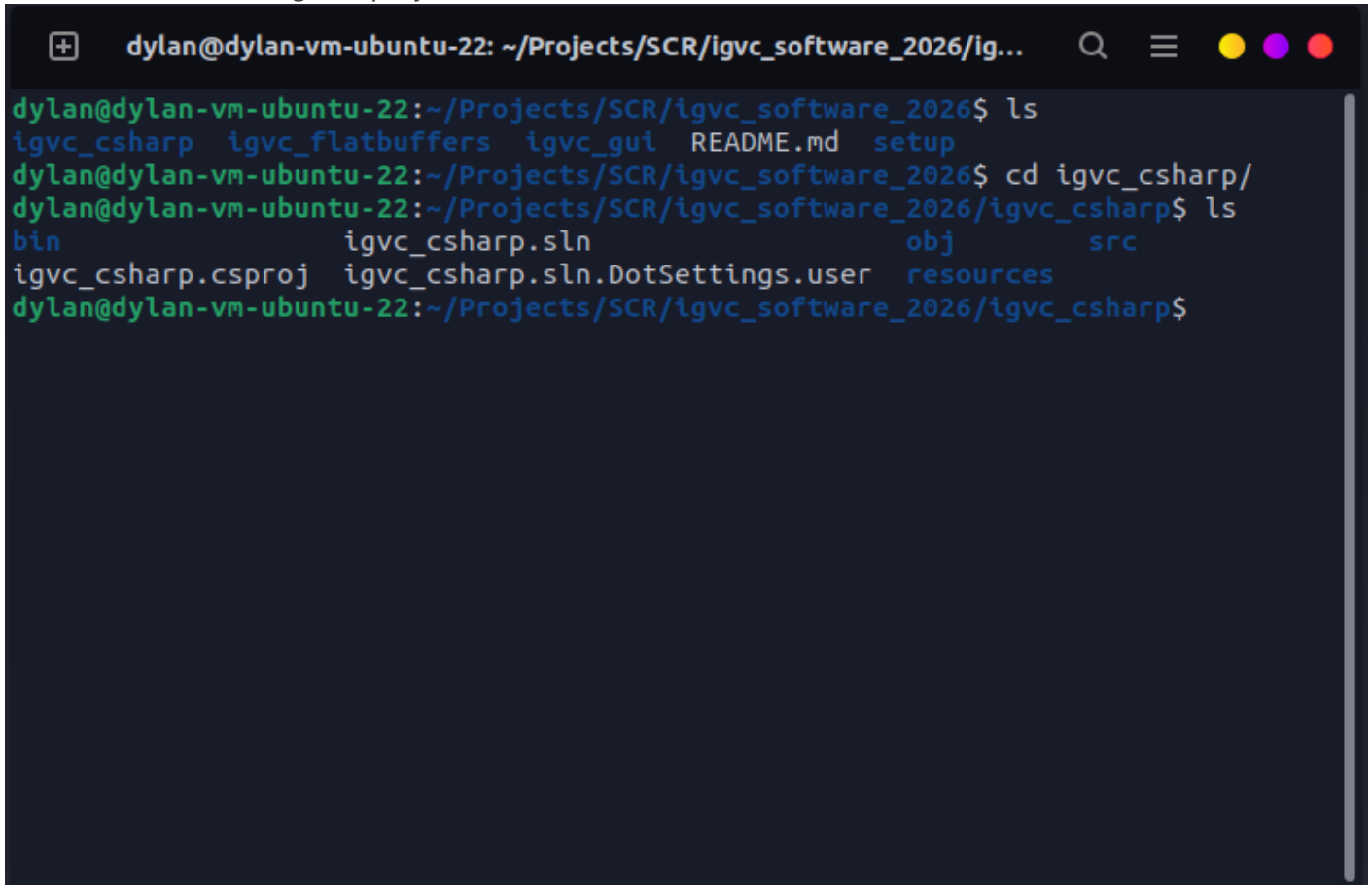


Running the Code

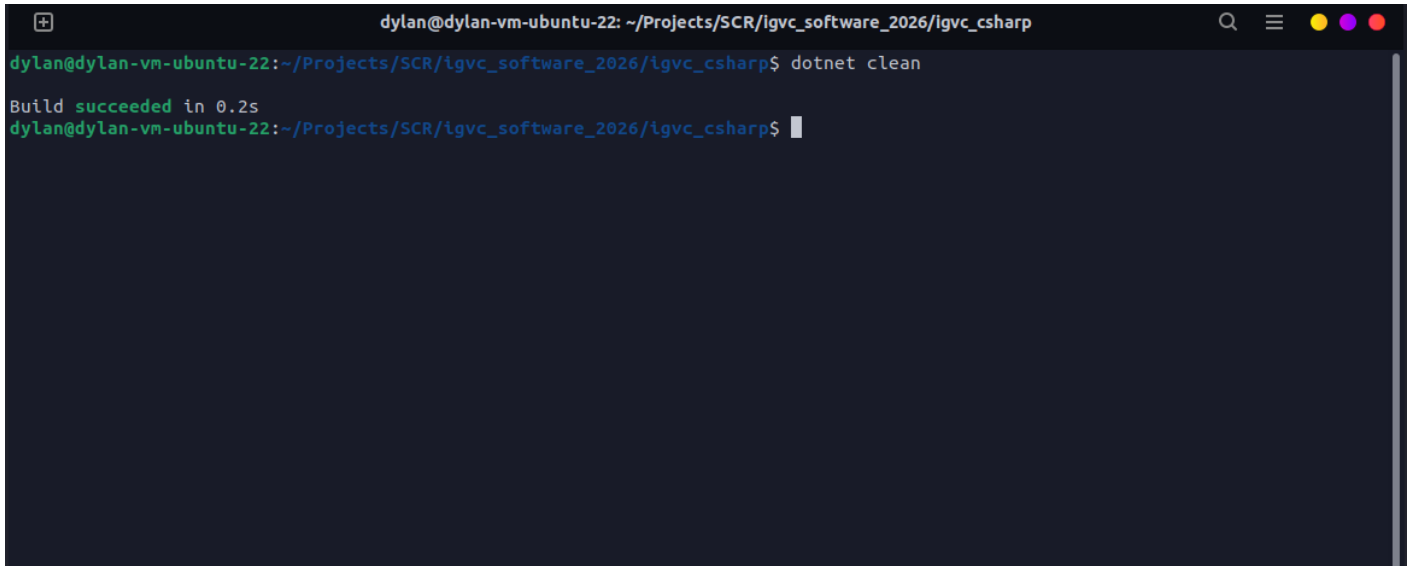
Running the IGVC 2026 software is relatively straight forward. Before we start, please make sure you completely followed the [Software Installation](#) wiki page.

First, navigate to the `igvc_csharp` directory (your directory may not include `bin` or `obj` yet, those are artifacts from building the project).



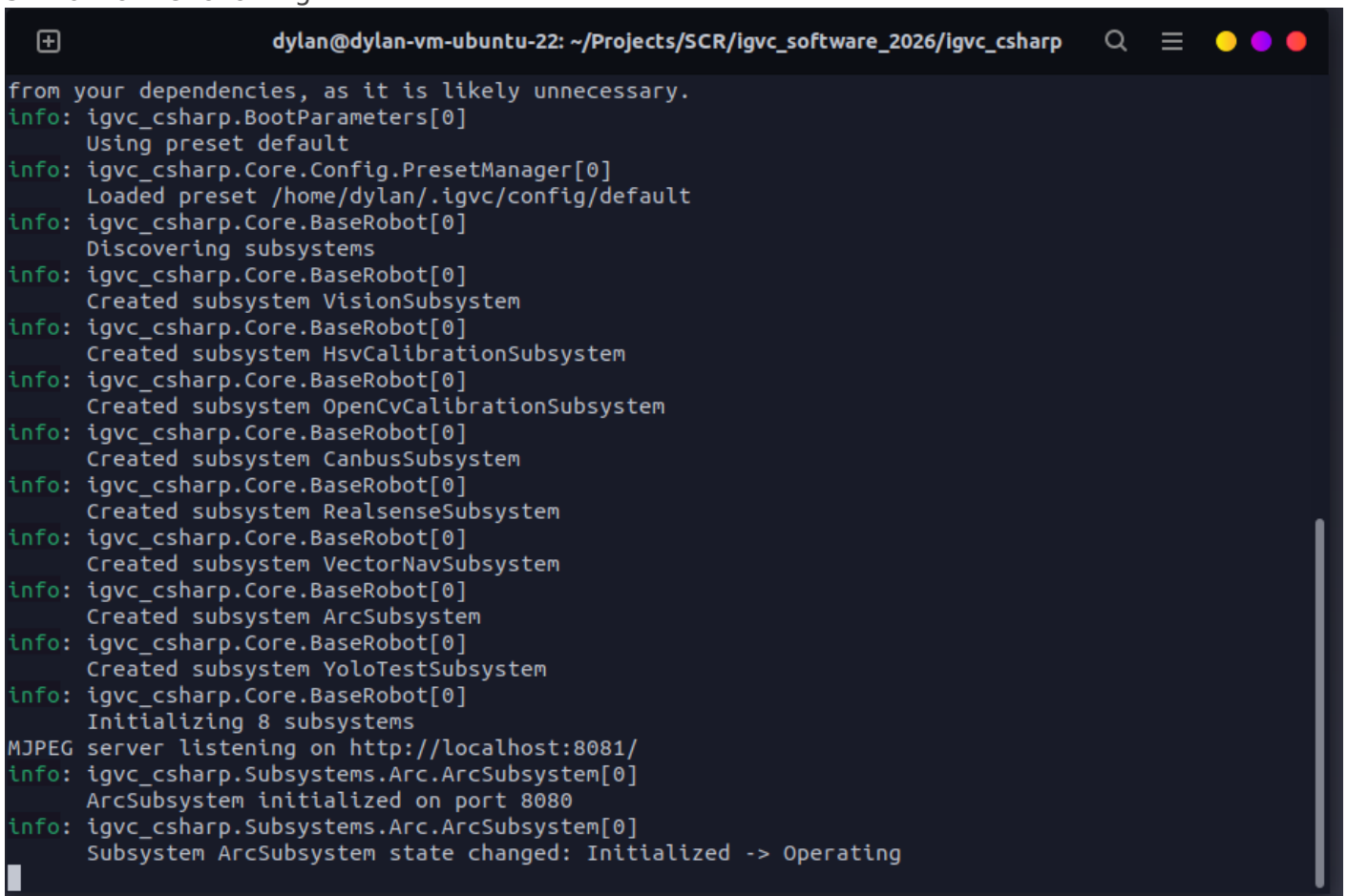
```
dylan@dylan-vm-ubuntu-22: ~/Projects/SCR/igvc_software_2026/ig...
dylan@dylan-vm-ubuntu-22:~/Projects/SCR/igvc_software_2026$ ls
igvc_csharp  igvc_flatbuffers  igvc_gui  README.md  setup
dylan@dylan-vm-ubuntu-22:~/Projects/SCR/igvc_software_2026$ cd igvc_csharp/
dylan@dylan-vm-ubuntu-22:~/Projects/SCR/igvc_software_2026/igvc_csharp$ ls
bin          igvc_csharp.sln          obj          src
igvc_csharp.csproj  igvc_csharp.sln.DotSettings.user  resources
dylan@dylan-vm-ubuntu-22:~/Projects/SCR/igvc_software_2026/igvc_csharp$
```

Next, run `dotnet clean`. This will clean up the project and create a fresh build, if there are any errors here try to resolve them. Any errors found that the standard setup guide does not resolve will be listed below.



```
dylan@dylan-vm-ubuntu-22: ~/Projects/SCR/igvc_software_2026/igvc_csharp
dylan@dylan-vm-ubuntu-22:~/Projects/SCR/igvc_software_2026/igvc_csharp$ dotnet clean
Build succeeded in 0.2s
dylan@dylan-vm-ubuntu-22:~/Projects/SCR/igvc_software_2026/igvc_csharp$
```

And finally, run `dotnet run`. You may get a few warnings, that's okay for now. You'll see something similar to the following.



```
dylan@dylan-vm-ubuntu-22: ~/Projects/SCR/igvc_software_2026/igvc_csharp
from your dependencies, as it is likely unnecessary.
info: igvc_csharp.BootParameters[0]
      Using preset default
info: igvc_csharp.Core.Config.PresetManager[0]
      Loaded preset /home/dylan/.igvc/config/default
info: igvc_csharp.Core.BaseRobot[0]
      Discovering subsystems
info: igvc_csharp.Core.BaseRobot[0]
      Created subsystem VisionSubsystem
info: igvc_csharp.Core.BaseRobot[0]
      Created subsystem HsvCalibrationSubsystem
info: igvc_csharp.Core.BaseRobot[0]
      Created subsystem OpenCvCalibrationSubsystem
info: igvc_csharp.Core.BaseRobot[0]
      Created subsystem CanbusSubsystem
info: igvc_csharp.Core.BaseRobot[0]
      Created subsystem RealsenseSubsystem
info: igvc_csharp.Core.BaseRobot[0]
      Created subsystem VectorNavSubsystem
info: igvc_csharp.Core.BaseRobot[0]
      Created subsystem ArcSubsystem
info: igvc_csharp.Core.BaseRobot[0]
      Created subsystem YoloTestSubsystem
info: igvc_csharp.Core.BaseRobot[0]
      Initializing 8 subsystems
MJPEG server listening on http://localhost:8081/
info: igvc_csharp.Subsystems.Arc.ArcSubsystem[0]
      ArcSubsystem initialized on port 8080
info: igvc_csharp.Subsystems.Arc.ArcSubsystem[0]
      Subsystem ArcSubsystem state changed: Initialized -> Operating
```

You can change your configuration preset by running `dotnet run -- --preset simulation` but that doesn't currently exist yet. The future plan is for there to be a few premade presets. Before you start developing, take a look at the [Software Overview](#) page to get an idea of the system as a whole.

Revision #3

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