```
yarp::dev::DeviceDriver        roboticslab::ICartesianControl        yarp::os::PeriodicThread
```

humasoft::SoftNeckControl

- robotDevice
- iControlMode
- iEncoders
- iPositionControl
- iPositionDirect
- serialPort
- serialStreamResponder
- currentState
- cmcSuccess
- streamingCommand
- cmcPeriod
- waitPeriod
- qRefSpeeds
- geomA
- geomB
- geomL0
- geomLg0
- controlPolarKp
- controlPolarKd
- controlPolarExp
- controlAzimuthKp
- controlAzimuthKd
- controlAzimuthExp
- controllerPolar
- controllerAzimuth
- targetPose
- stateMutex

+ SoftNeckControl()
+ stat()
+ inv()
+ movj()
+ relj()
+ movl()
+ movv()
+ gcmp()
+ forc()
+ stopControl()
+ wait()
+ tool()
+ act()
+ twist()
+ pose()
+ movi()
+ setParameter()
+ getParameter()
+ setParameters()
+ getParameters()
+ run()
+ open()
+ close()
- computeIk()
- setupControllers()
- getCurrentState()
- setCurrentState()
- presetStreamingCommand()
- setControlModes()
- computeIsocronousSpeeds()
- sendTargets()
- handleMovjOpenLoop()
- handleMovjClosedLoop()