**Setting up boost.python in eclipse on ubuntu**

**First steps on a fresh ubuntu install-**

Install java framework via console command:

sudo apt install default-jdk

Install boost libraries via console command:

sudo apt-get install libboost-all-dev

Install python 2.7 via console command:

Sudo apt-get install python2.7 (needs verified)

Go to eclipse website, download the installer and run it.

Select IDE for C/C++ developers

**Eclipse Project Setup- Known Critical Settings:**

Eclipse: File-> New -> C++ project

Project -> Properties -> C/C++ Settings-> Cross G++ Linker:

Add boost\_python and boost\_system to libraries

Add /usr/include to library search paths

Project -> Properties -> C/C++ Settings-> Cross G++ Compiler:

Add /usr/include/boost/python/ to include paths

Add /usr/include/python2.7/ to include paths

Check the box for Position Independent Code (-fPIC) in Miscellaneous

Future setup considerations-

Link to task repository

Override settings for name of output shared library (.so)

Role Support for 317 Project:

-help with software front end (xavier, ed, nectar)

-help with product development – wireframes/ use cases / xavier

-help with software back end (wolf, wedge)

-help jose power front end

-technosoft training – servo specialist, fpga programming, etc.

-sturla board?

-wolf scrum board

-exposed to management approach directly