

Satellite Pose Detection

ADVISOR: DANIEL L. PIMENTEL-ALARCÓN

Project By: Swathi Pabbathireddy

1.1 Steps to Reproduce

1. Install Python 3.7 or above from the below link:
<https://realpython.com/installing-python/>
2. To check for python installation, open terminal and type `$python`. Details of python interpreter along with versions details are displayed.
3. For Mac user installing Homebrew, simplifies the software installations with the following link:
<https://brew.sh>
Execute "xcode-select-install"
4. Install pip using the link *<https://bootstrap.pypa.io/getpip.py>* and execute the following command:
`$python get-pip.py`
5. Pip is a package management system for installing python related software packages. To check for pip installation type: `$pip --version`
6. Create a Conda environment using below command:
`$conda create -n env-name python=3.7 anaconda`
7. Install the required packages for the project from the requirements file using:
`$pip install -r requirements.txt`
8. Install Git for windows using: *<https://git-scm.com/download/win>*. To check for installation type:
`$git -version`.
9. Follow the below command to clone the project repository:
`$git clone https://github.com/swathireddy78/satellite_pose_estimation.git`
10. The project can be executed in Jupyter notebook using the command: "jupyter notebook".
11. Click on "satellite_pose_estimation.ipynb" and execute the cells to see the output.