# Tech Stack

If the computer has never run Python 3:

* Install Python 3 from <https://www.python.org/downloads/>
* Install Docker from: <https://hub.docker.com/search/?type=edition&offering=community>
* Install required Python packages for geospatial data science analysis from: <https://hub.docker.com/r/gboeing/osmnx>
  + This contains Jupyter notebook and everything to run OSMnx
  + If not included in the Docker package, install Pandas. On command line, run: pip install pandas
  + If not included in the Docker package, install Numpy. On command line, run: pip install numpy
* Use ArcGIS or install QGIS 3 from: <https://qgis.org/en/site/>
* Install R Studio from: <https://www.rstudio.com/products/rstudio/#Desktop>

If the computer has Python 3 and Jupyter Notebook already installed:

* Install OSMnx. On command line: run: pip install osmnx
* Install Pandas. On command line, run: pip install pandas
* Install Numpy. On command line, run: pip install numpy
* Use ArcGIS or install QGIS 3 from: <https://qgis.org/en/site/>
* Install R Studio from: <https://www.rstudio.com/products/rstudio/#Desktop>