Used SW Packages

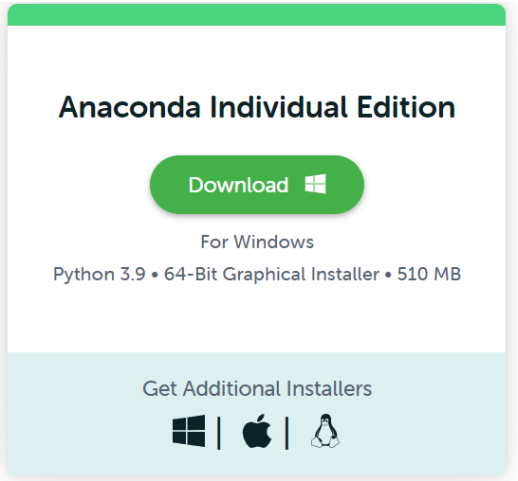
Computergestützte Experimente und Signalauswertung

How to Install Jupyter/Spyder (Python)

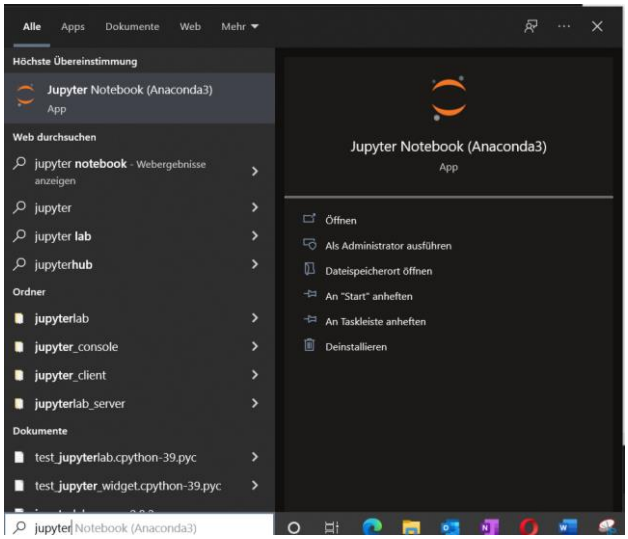
1) Goto

   https://www.anaconda.com/products/individual

2) Press the Download Button



3) Download the Anaconda File & Execute it.
4) Start Jupyter Notebook or Spyder via the Windows Start-Bar



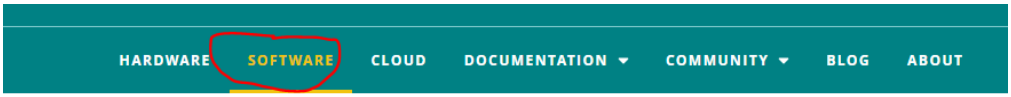
5) Jupyter Notebook will start in your Browser since this is a browser-based Python IDE
6) Anaconda Spyder will start as program

How to Install Arduino

1) Goto

https://www.arduino.cc

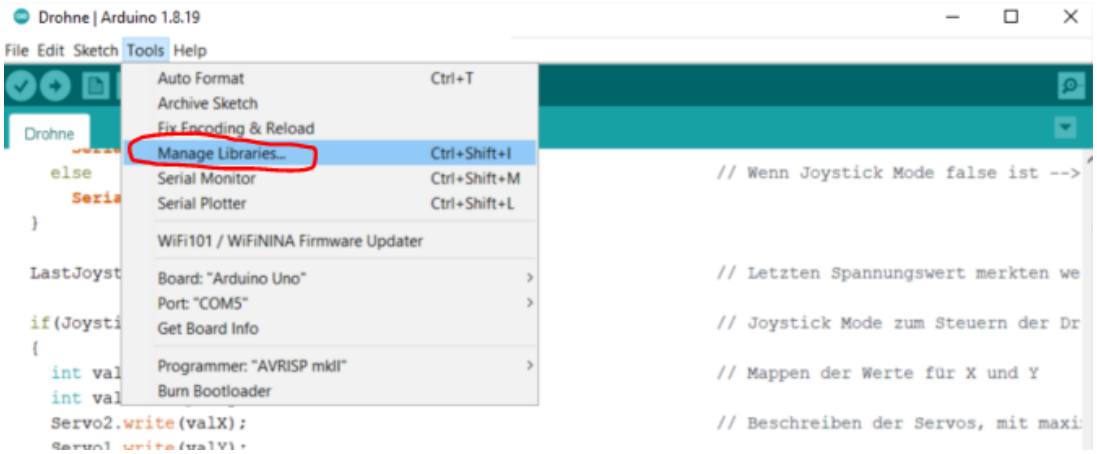
2) Browse into the Software Selection



3) Download the Installer for your Operating System & Install the IDE.
4) After Installing ensure to also Download the CH340 Driver (for non-Original Arduinos)

https://sparks.gogo.co.nz/assets/_site_/downloads/CH34x_Install_Windows_v3_4.zip

5) Start Arduino IDE
6) Ensure to Install all required Librarys for your Project: Tools→Manage Libraries…



Other Sources

Design Spark Mechanical – useful 3D Design Tool for 3D Printers:
https://www.rs-online.com/designspark/mechanical-software-de

Autodesk Fusion360 – useful 3D Design Tool for 3D Printers
(Working with Educational License)
https://www.autodesk.de/free-trials

Open Source - 3D Mechanical Designs:
https://www.thingiverse.com

Stoppi Arduino Projects – as Inspiration Source:
https://stoppi-homemade-physics.de/arduino/