

Software

Chapter number	Software required (With version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If proprietary, then cost of the software	Download links to the software	Hardware specifications	OS required
3	Etcher	Free			https://etcher.io/	Micro SD Card Reader/writer. (SD Card Reader/writer with adapter is OK)	Windows, Linux, Mac OSX
3	Raspbian	Free			https://www.raspberrypi.org/downloads/raspbian/		
4	PuTTY	Free			https://www.putty.org/	Network link to wifi router	Windows/Linux/Mac OSX
4	(On Windows) Apple Bonjour Print Services For Windows	Free			https://support.apple.com/kb/d1999?locale=en_GB	Network link to wifi router	Windows (only required on Windows)
4	Avahi or zeroconf	Free			Will be in Yum/Apt-get		Required only on Linux. Recent linux desktops will already have this ability.
5	Filezilla	Free			https://filezilla-project.org/download.php?	Network link to wifi router	Windows/Linux/Mac OSX
5	Git	Free			https://git-scm.com/book/en/v2/GettingStarted-Installing-Git	Network link to wifi router	Windows/Linux/Mac OSX
5	Win 32 Disk Imager	Free			https://sourceforge.net/projects/win32diskimager/	Micro SD Card Reader/writer. (SD Card Reader/writer with adapter is OK)	Windows
5	dd	Free			(usually included)	Micro SD Card Reader/writer. (SD Card Reader/writer with adapter is OK)	Linux/Mac OSX

6	draw.io	Free			https://www.draw.io/	Internet access	Chrome/Firefox/Edge/Safari
14	MyCroft	Free			https://mycroft.ai/	Runs on the Raspberry Pi	

Software Installation steps are detailed in the chapters.

You will also require a programming text editor of some kind. This is a highly subjective area. My personal preferences are VSCode, Notepad++ and PyCharm however if you have a preference please use that.

Hardware

A PC or Laptop running Windows/Linux or a Mac.

Internet access.

A local WiFi LAN.

A smartphone.

You will require 2 Raspberry Pi 3B+ boards. Other robot parts will be discussed in the chapters, choosing and buying these is part of the content.