

Useful tools for an efficient setup

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Meetings and lectures

General organisation

- Doodle
- LettuceMeet
- Shared calendar (Microsoft, Google, Apple)
- Indico

User involvement

- Google / Microsoft forms
- Mentimeter

Version Control System (VCS)

Keep your code organised and versioned.

- GitHub
- Bazaar
- BitBucket

The Shell

Your best friends

- grep, ls, rm, tar, gunzip, curl, cd, vim
- dotfiles (.bashrc/.zshrc, .profile, ...), export PATH, aliases
- the-art-of-command-line
- regular expressions

Boost it!

- zsh (with Powerlevel10k theme)
- oh-my-zsh

Other useful tools

- djvu2pdf
- ffmpeg
- ghostscript
- ImageMagick

Code editors

- Visual Studio Code (my favourite)
- Sublime Text 3 (my 2nd favourite and the fastest)
- Eclipse (useful for Java developers a.k.a. Minecraft modders)
- Atom
- PyCharm (very good for Python)
- XCode (only for Mac users, useful for app developers, mainly iOS)
- Vim
- Emacs
- Gedit

Python

Manage environments and packages

- Anaconda (complete suite to manage everything, available also in a lighter version Miniconda - really, what is Python without Anaconda?)
- Pyenv (light and simple)

Packages

- jupyter (for notebooks and interactive Python programming)
- numpy, scipy, pandas (must have)
- re (regular expressions in Python)
- PyROOT (from CERN)

Write documents

- LaTeX (the best of the best of the best)
 - TeXLive (recommended, full multiplatform distribution)
 - MikTeX
 - MacTeX (only for Mac users)
- Markdown
- Microsoft Office Word

Presentations

- Microsoft Office PowerPoint
 - IguanaTeX (typeset LaTeX on PowerPoint!)
- Keynote (for Mac users)
- Prezi (very nice flowing design)
- Beamer (presentations with LaTeX)
- Reveal.js
 - difficult to use if you are not a JavaScript developer (unless you buy the editor)
 - allows to humiliate the other speakers, because your slides would be fairly better than theirs

Draw pictures: vectorial pictures usually better than raster

- Inkscape
- Tikz (LaTeX packages)

LaTeX

Essential

- Math
 - derivative
 - mathtools
 - bm
 - siunitx (typeset units like a pro)
- Page formatting
 - fancyhdr
 - titlesec
- References
 - hyperref
 - cleveref

LaTeX

- Drawing
 - tikz
 - tcolorbox
 - tikzfeynman (for Feynman diagrams)
- Figures
 - graphic
 - floatrow
 - caption
- Tables
 - tabularx
 - booktabs
 - multirow

LaTeX

- Code
 - listings
 - verbatim
- Bibliography
 - biblatex
- Compilers
 - pdflatex
 - xelatex (useful for font formatting)
 - lualatex (for tikzfeynman)

Windows users

- Why?
- Seriously, why?

Only way to develop on Windows 10

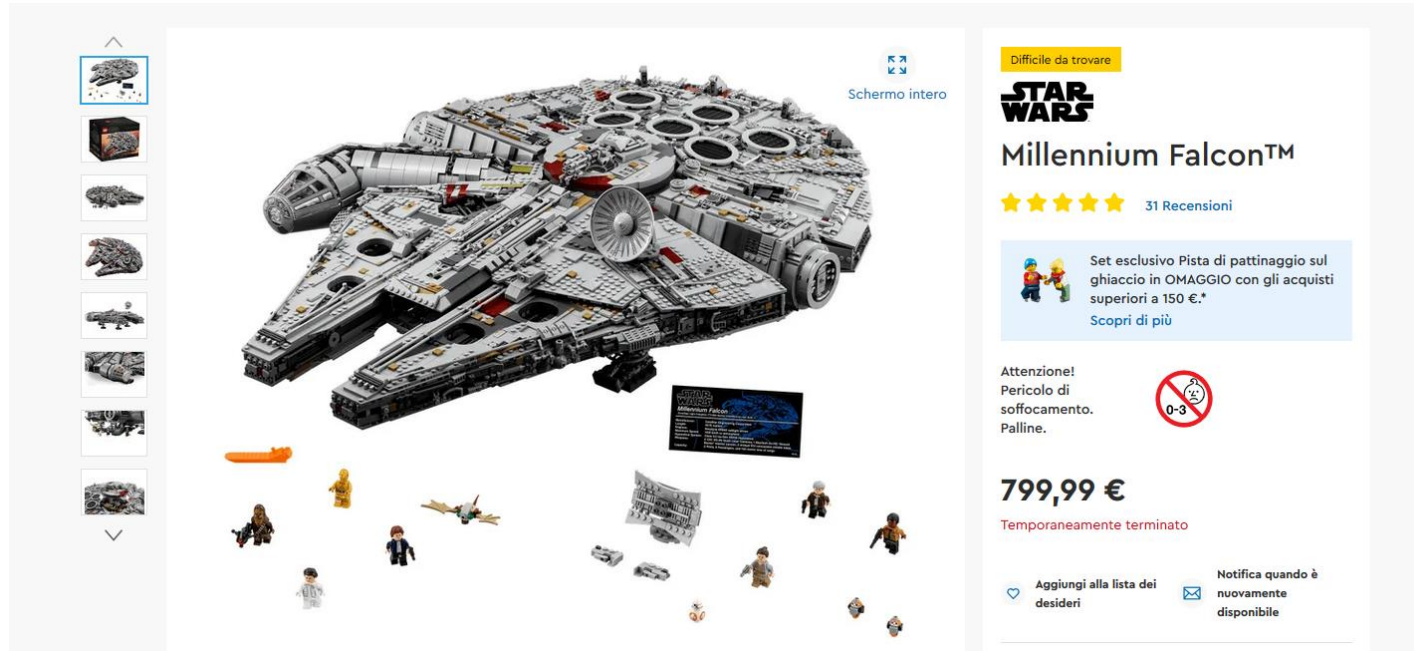
- Windows Subsystem for Linux (WSL), now on version 2
- Xming, VcXsrv, X410
- Windows Terminal

Look: Far More Epic Development Environment using WSL 2

Watch out AMD CPUs and WSL2! Update the driver before enabling virtualisation, see issue 4784.

For Mac users

- Buy a better computer
- With the remaining 800€ from the budget: buy a LEGO Millennium Falcon
- Now you are happy



The image shows a screenshot of the LEGO Millennium Falcon product page. The main image is a large, detailed LEGO model of the Millennium Falcon, shown from a top-down perspective. To the left of the main image is a vertical strip of smaller images showing different views of the model. Below the main image are several small images of the included minifigures and accessories. To the right of the main image is a sidebar with product details.

Difficile da trovare

STAR WARS

Millennium Falcon™

★★★★★ 31 Recensioni

Set esclusivo Pista di pattinaggio sul ghiaccio in OMAGGIO con gli acquisti superiori a 150 €.*
[Scopri di più](#)

Attenzione!
Pericolo di soffocamento.
Palline.

799,99 €

Temporaneamente terminato

[Aggiungi alla lista dei desideri](#)

[Notifica quando è nuovamente disponibile](#)

For Mac users

- Buy a better computer
- With the remaining money, you can already buy a LEGO
- Now you are happy

Just kidding

Basically you are already set

- Reliable system
- Brew
- Macports
- Big plus if you have other Apple devices

Productivity

Focus

- Forest (app)
- Pomodoro technique
- Stretchly
- Caffeine

Notes

- Microsoft To-do
- Evernote
- Zoho Notebook

Random useful links

- Regular expression test
- Codecogs
- WebPlotDigitizer
- Have I Been Pwned?
- ID Ransomware