#Presentation Mode (X_X)

##1. Rasberry Pi (SBC)

// **Mini pie for everyone!**

```
  // Raspi
  --------------
x Mini Pie - Pi zero! (project?)
x Raspberry Pi for Programming n Learning in General
x Hardware - 1,2 (no wifi), 3,4 (wifi, bluetooth, etc),
  more computing power every gen!
x Software - Debian (Buster), Kali (Pi 4 broken something),
  Parrot (Pi 3 only), KANO OS!

  // BTS (Behind The Scene)
  --------------
x SSH - Secure Shell n MOSH - Mobile Secure Shell
x RealVNC - vnclicensewiz access everywhere
x Windows (Putty)
x MacOS (iterm)
x Android IOS - Termius

  // IoT
  --------------
x Rosetta@Home HELP! (Help with computing power of Raspi)
x Wyliodrin / Python code?
x LOGIC -> everyone get what you want kind of Logic

  // Projects
  --------------
x VPN -> Pi Hole (Ads filtering)
x Raspap -> Hotspot
x Desktop Pi -> Debian Buster (Raspberry pi 4 Recommended)
x Media Center -> LibreELEC
x HACK! -> Made with vulnerabilities
x Home Automation System (Welcome to Google Home)
x Spotdl n Youtubedl -> Metadata Included!
x Soc.Med Bot -> Pyton n Nodejs
x TV -> Vidio.org automation
x Retro Gaming -> RetroPie
x Minecraft Server !
x NAS -> Network Storage
x Raspi Laptop Mode -> Use your old Laptop as Raspi Monitor
x Smart Mirror and Many more!
```

##2. CODING

// **No starting point, nowhere to go, choose your own path.**

```
  // Source
  -------------
x Github (Everything's here)
x Gitlab
x Bitbucket (Good Design)

  // Language
  -------------
x Android - JavaScript // NODEJS
x Everything else? Python easy

  // Editor
  -------------
x VSCode, Sublime, Atom

  // Mod. Editor
  -------------
x Vim, Emacs
```

##3. TERMINAL

// **Don't be traumatized by green on black.**

```
  // PacMan!
  -------------
  Windows (CMD)  - Chocolatey
  Macs   (iterm2) - Homebrew
  Linux   (much) - Pacman, apt-get, everything else

  // Lang PM
  -------------
  Python - pip
  NodeJS - npm

  // Ed. History
  -------------
  Vim, Emacs

  // Browsing
  -------------
  Browsh, Lynx, w3m

  //Termux
  -------------
  Android Terminal for everyone
```

4. Operating System

// No one shall pass; this little thing.

```
  // Most System
  -------------
x Disk n Mount ; RAM n Swap ; need Reboot?
x Kernel (everyone has it)
x Open Source n Proprietary OS

  // Backup
  -------------
x Backup on fresh Install
x Timeshift ; System Restore ; Time Machine
```

5. Artificial Intel

// Who am I?

```
  // Platforms
  -------------
x Concerns ; No more privacy
x Google Colab Library

  // Platforms
  -------------
x Google Colab, Jupyter Notebook, everything else in between.

  // Python Libs
  -------------
x Python3    - Python 2 is deprecated
x Tweepy     - Twitter bot
x Spotdl     - Spotify downloader
x Numpy      - Math!
x Tensorflow - Data science
x Matplotlib - Get your own graphs, scalar, etc
x Pandas     - Data Analysis

  // Data Sets
  -------------
x dataset.research.google.com
```

6. LINUX

// Why the hard stuff?

```
  // Distro
  -------------
x Ubuntu (Debian)
x Fedora (Red Hat)
```

```
x Kali   (Debian)
x Parrot (Debian)
x Arch   (Arch)
x Kubuntu(KDE Debian)
x ETC

  // Small Distro
  -------------
x Damn Small Linux
x Puppy Linux

  // Hardcore
  -------------
x Actually not that hardcore
x Purpose is to simplify actually
x More stuff to learn
x Learn Programming and do everything yourself
x Search for everything in Internet
x Everything breaks? try everything else, GOOGLE!
x Tiling Window Manager

  // Other
  --------------
x Docker, Digital Ocean, Linode Server, AWS
x Docker based on the same kernel
x Virt-manager / Virtualbox
```

##7. Security

// **Secured?**

```
  // Privacy
  -------------
x GOOGLE! - Ungoogled Chromium, Firefox, TOR!
x Data Mining, everything about your privacy.
x Open Source Android.
x Pi-Hole! Dns forwarding, open port?
x OPEN PORT - 22 SSH , 80 HTTP , nmap
x Source - tryhackme , hack the box
```

##8. What else?

// **Bonus Round?**

```
  // Thesis?
  -------------
  LATEX, MARKDOWN, PANDOC!
  Overleaf - Latex
  Markdown - Just add .MD (README.MD)
```

Pandoc - convert all to all.