



Techno Tuesday: CPU 101 & The Deep Web

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Hello everyone!

Since school is just around the corner (I'm sorry, don't hate me!), I want to give a basic computer refresher while reminding you of how awesome/crazy the internet is.

If you've read my past emails, then you've gotten tips about organizing your files & trimming your inbox. So in the same spirit, I'll briefly cover:

The Practical

little things you can do to make your computer a happy camper (camper, get it? :D)
(Super simple/easy tips--sorry if this is a rehash!)

Remove Unused Programs To Save Space

For PCs: Go to Control panel > Programs > Programs and Features, right click Uninstall
For Macs: Go > Applications (Cmd + A), Move to Trash

Trim Down Programs that Run on Start to Increase Startup Speed

For PCs: Go to Task Manager > Startup > Right-click to Disable
For Macs: Go to User & Groups > Login Items = +/- items, [a [guide](#) for older systems]

Keyboard Shortcuts You Should Know

[Ctrl] on PC, [Cmd] on Mac

Ctrl + A: Select all
Ctrl + C: Copy
Ctrl + V: Paste
Ctrl + X: Cut
Ctrl + Z: Undo
Ctrl + Y: Redo
Ctrl + S: Save

F12: Save as (ms word, excel)
Ctrl+/-: Zoom in or out (useful in browsers)

Ctrl + Tab: Switch tabs on your browser from left to right
(hold the control/command key down and press the tab to cycle through)
Ctrl + Shift + Tab: Switch tabs going the other way
(hold the control/command and shift keys down and press the tab to cycle through)

Alt + Tab: Switch between open programs on your computer from left to right
(hold down alt, press the tab to cycle through)
Alt + Shift + Tab: Switch between open programs going the other way
(hold down alt and shift, press the tab to cycle through)

Some Logic

- Stay on top of updates for drives and graphic cards
- Wait on major updates (usually major bugs are fixed quickly)
- If it sounds too good to be true, it probably is.
- Internet rule of thumb: not sure you want to spend your money on something? Search around. If it's not worth stealing, it's not worth anything at all (not supporting piracy here--just know what you're getting in to!)

[Test Your Internet Speed](#)
[Clean Your Computer with CCleaner](#)

The Awesome

So think about the World Wide Web. It's pretty huge. There are millions of webpages that you'll never get to. But did you know that that's only 2% of everything on the web!?! 98% of it (you read correctly) isn't accessible through search engines like Google or Yahoo ([Check out Google's great explanation on how search works](#)).

Surface vs. Deep vs. Dark Web

So the surface web is what we use everyday--these are the 2% indexed by search engines, links you can type into the browser. The Deep web, the other 98%, is anything not accessible through a search engine. A small portion of the deep web is called the dark web, parts intentionally hidden that require special technology like [Tor](#), a software that the government assisted in creating that helps keep your anonymity online (you can read more about how it works, but it basically masks your identity from point to point, layers like an onion).

Beyond the fact that they have sweet names, the deep web and the dark web are very go-at-your-own-risk. Although there are legitimate reasons to use the deep web--many government officials and other people dive in for [research](#)--you can imagine that anonymity hides many illegal activities. Almost anything you can imagine, you can find online. And some people have some pretty sick imagination. I debated about adding this section in a tech tuesday for a few weeks now. But in the spirit of knowledge = power, for those who didn't know, now you know. But seriously, if you're ever going to venture into the deep web, be careful, have common sense, and know that anything can be traced back anywhere.

Old explanation for the deep web (back when it wasn't as crazy):

<https://www.youtube.com/watch?v=wMgqTWdk3tw>

Vsauce video about net/web:

<https://www.youtube.com/watch?v=scWj1BMRHUA>

Thanks for reading! Be safe, stranger danger, and all that.

Let me know if you have any suggestions for the rest of the Tech Tuesdays.

Sincerely,

-Ying