Russell Zeng

Professor Gold

English 1121 - D432

20 May 2019

Computer Build Guides (Revised)

 Computers and technology have become a large part of today’s society. Many people rely on technology to get on the internet, entertain themselves or update their social media. Some companies need computers to function properly and maintain their business. While some people use computers to video edit or make music. A computer/PC have many uses for many different reasons and can solve many problems whether for business, academic or personal use. Most people know how to use a computer but most do not know how to build one. Building your own PC allows you to customize it to your profession or hobby. Through the use of computer build guides most people would be able to build a computer and make it the perfect computer for their own uses. Computer build guides are made to help those who don’t understand how to build a computer build their own. These guides will help someone step by step through the shopping process all the way to the building process. Through the use of computer build guides almost anyone with a budget to spare can build a computer on their own.

 Computer build guides have helped many people understand how computers are put together and help them build their own through a step by step process. It is important for people to understand how to build a computer for their own specific needs and save money while doing so. According to the article “Best Computer For Video Editing” a specialized and optimized computer for video editing can save you time, a lot of frustration and in the long run, lots of money. This is why it's important for computer build guides to exist because people can save money and avoid going to Bestbuy or Amazon which sometimes make you pay more for less. Some well known people who have made a guide on building computers are usually based on Youtube a video sharing platform.”Linus Tech Tips” is a Youtube channel with over 8 million subscribers have made many guides on building computers for gaming. Linus Sebastian the creator of the channel is known for reviewing tech related products and giving his honest opinions on them. Linus’s videos have helped many people build their computers and make it entertaining while doing so. His videos also help regular people/beginners understand certain computer terms and provide a starting point to building a computer

Each of his computer build guides have over 1 - 5 million views on each video. The tech/gaming community are usually the ones who want new computer guides that would help them put together a computer with brand new computer parts from Intel, Nvidia or AMD. Computer build guides have existed for a long time ever since computers were first able to be built by people. Most people in the past build computers to play games and upgrade their hardware every year to provide the power needed for newer games. Newer games required more powerful hardware to run but unlike consoles which is replaced by a new one every year a computer only need a few parts to be replaced which is way cheaper/affordable. Computer build guides are usually directed to tech enthusiasts or beginners. Due to this most Computer build guides are updated every year with new computer parts and simplified the information needed to build a computer. A computer build guide should only contain information on building a computer and how certain things can help someone make a decision on buying parts or how much to spend on a computer. Some basic guides would explain the parts and how to put everything together. A person who is writing the guide or making one should also be knowledgeable and not give wrong or incorrect information.

 Computer build guides all serve a purpose which is to inform people how to build a computer. The guides that I have picked are made for a specific computer such as a gaming, video editing, music producing or home computer. Each will require a different budget and maybe different parts. The way to build the computer is always the same in each of the guides. These guides provide a step by step tutorial on how to built the computer and also explain what each part is needed for. Most constraints with these computer build guides is that it should be easy to follow and not have too much difficult or unknown computer terms which can make it hard understand. This allows beginners to follow it quickly and get there build done. Also the guides are informative but not too long so that people can understand enough to get to the next step. These guides are written in way that is less intimidating and easy to understand for anyone who is interested in building a computer.

 An article written by Intel was very helpful to me when i wanted to built my own PC. This article is called “How to Build a Gaming PC” and it’s made for beginners who wanted a computer for gaming. The goal of this article was made to help people build a PC through a step by step process. Intel is a company that is most well known for making the best CPUs for gaming. A CPU is the central processing unit which is the brain of the computer that makes sure everything is functioning. Their customers are usually gaming/tech enthusiasts and their CPUs provide better performance than their rivals AMD. AMD (Advanced Micro Devices) is the direct competitor to intel which also sells CPUs to their customers. This guide has helped me through my PC building process and helped me understand how to install almost everything on a computer. It helped me be more confident in myself and saved me money in the long run. This guide by Intel is important for the gaming/tech community because it introduces people/beginners to the world of building and customizing their own computer. This makes the community grow and allows people to find better ways to build or design a cooler looking computer. Most people who don’t understand how to build a PC might get a pre build one which is not ideal. Pre build computers can have many problems and can be very expensive. A computer from Best Buy may have outdated specs or cost double the price than if you build it yourself. Another example is Apple where most of their customers always overpay for a computer that is outdated and gets very hot due to bad cooling. These problems won’t happen because if you build a computer for yourself it is for your own interests. While a computer build by certain companies are made to profit while saving them as much money as possible. Companies save money usually by giving you used parts or the worst model of the parts. The better models can have better cooling and better performance while the worst models can have loud fans or can get very hot due to bad cooling. Some parts are faster than others and most companies will give you the slower one so that they can sell the faster parts for more money. For example a CPU have different generations but the names are usually the same the company would give you the last generation CPU but most people can’t tell the difference and that how companies trick you into buying a outdated computer.

This is done through price gouging and bad business practices. For a gamer this is really bad because you might be overpaying for something that might not even play the games you want to play. The article written by Intel tells us that “When you control everything that goes into your PC from the power supply up, you know that you'll be able to play the games you want, at the framerates you want, without sacrificing performance” (“How to Build a Gaming PC”). Ultimately having the best performance and price for your computer is the main goal of a gamer, video editor , music producer or a content creator.

In conclusion, a computer build guide is meant to help beginners understand how to build a computer from the beginning till the end. Through the use of these guides many people have save time and money building their own computer. People are no longer stuck with Apple or retail stores and have the freedom to choose their own parts and prices. Through the use of these guides people are only limited by creativity and their budget instead of a brands or companies.

Works Cited

“10 Tips For Building Your First Gaming PC.” *Micron Technology*.

[www.crucial.com/usa/en/the-best-specs-for-a-gaming-pc](http://www.crucial.com/usa/en/the-best-specs-for-a-gaming-pc).

Accessed 30 Apr. 2018.

Alex. “Best Computer for Video Editing.” *CG Director*, 18 Apr. 2019.

[www.cgdirector.com/best-computer-for-video-editing/](http://www.cgdirector.com/best-computer-for-video-editing/)

Accessed 30 Apr. 2018.

“How To Build A Gaming PC.” *Intel Corporation*

[www.intel.com/content/www/us/en/gaming/resources/how-to-build-a-gaming-pc.html](http://www.intel.com/content/www/us/en/gaming/resources/how-to-build-a-gaming-pc.html). Accessed 30 Apr. 2018.

Nystedt, Brendan. “How to Build a PC.” *Condé Nast*, 4 Apr. 2018.

[www.wired.com/story/how-to-build-a-pc/](http://www.wired.com/story/how-to-build-a-pc/)

Accessed 30 Apr. 2018.

Sean. “How to Build Your Own Music Production Computer” *The Wire Realm*, 21 Aug.

2018. [www.wirerealm.com/info/building-a-music-production-computer](http://www.wirerealm.com/info/building-a-music-production-computer)

Accessed 30 Apr. 2018.

How To Build a PC

Step 1: What you need

* CPU
* Motherboard
* Thermal Paste (Included with CPU)
* GPU/Graphics Card
* SSD (Solid State Drive)/HDD (Hard Drive)
* Power Supply
* Cooling Fans/Liquid Cooling
* Case
* Screwdriver
* Zip Ties

Step 2: Where to shop

* www.reddit.com/r/buildapcsales (Deals to computer parts)
* Ebay (Best for used/refurbished computer parts)
* Amazon (Best for new parts and fastest shipping)
* Pcpartpicker.com (Used to check prices and if parts work are compatible)
* Newegg (Very reliable and have good discounts)

Step 3: Build The Computer

1. Install CPU into CPU socket in the motherboard
2. Apply Thermal Paste to the CPU
3. Install Cooling Fans/Liquid Cooling on top of the CPU and connect the cable to the motherboard
4. Screw in the motherboard into the case and install I/O shield on the side of the case
5. Install Ram/Memory into the ram slots on the motherboard
6. Install power supply and connect all the cables to the motherboard
7. Install SSD/HDD and connect cables to the motherboard
8. Connect Case cables to the motherboard
9. Install Graphics Card into the motherboard
10. Use Zip Ties to tie the cables to the case
11. Download Windows 10 on a separate computer and install it on the new build