DREAM MACHINE

This Computer has amazing specs and is ideal for gaming purposes. The Dream Machine has a budget of $2000

RAM: G.Skill Ripjaws V Series 32gb DDR-3200MhHz

Storage: Seagate Barracuda 3TB 7200 RPM HDD, Kingston A400 480GB SATA SSD & Crucial P1 1TB NVMe M.2 SSD

Motherboard: ASUS Prime Z390-A ATX

CPU: Intel Core i7-9700k 8-core

GPU: ASUS GeForce RTX 2070 STRIX

With such a large budget all of the priority components were able to be added. With this budget there was enough funds to improve the storage with 1 tb of SSD and add 32 GB of RAM.

THE END
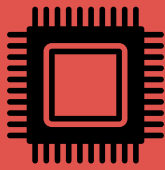
GAMING COMPUTER

By: Ibrahim Ahmadzai

APPLICATION TOPIC

The application topic is a gaming computer, with the top components for this type of PC being the Graphics Card, CPU, and RAM. A gaming computer's main purpose is to be able to smoothly run video games of different graphic intensity.

Portability is insignificant for gaming PC's as they are meant to be in one place and not moved around.

graphics card is the most important because it is the component that will do all the heavy lifting for the performance of the PC. It will give the good graphics in games, and high FPS. The CPU works with the GPU to process everything and also output good performance. RAM is important because many games take up a lot of RAM, and fast RAM is needed in order to have a faster overall computer, to process everything.

Would Be Nice Features

Components which would be nice to upgrade after the top three components is the Motherboard, storage, and peripherals.

One Can upgrade those componets by purchasing a higher-end chipset motherboard with a variety of features, a larger ssd storage space, and better peripherals such as a higher quality keyboard. A good motherboard would be the ASUS Prime Z390-A ATX Motherboard. For storage it would be maybe 1tb more HDD space, or a bigger SSD. For peripherals, the SteelSeries Apex Pro is a great keyboard for gaming usages.

Many components are not a priority for a gaming PC, so money should not be spent on purchasing high quality versions of these components. Some of these components are a sound card, Wi-Fi card or removable media. A sound card is not needed, because the headphone jacks on the back of the motherboard are good enough. A Wi-Fi card is not needed because an ethernet port is already on the motherboard which is faster than the Wi-Fi card. Removable media has no purpose for a gaming pc, hence it is useless.

Budget Machine

This Computer is decent for gaming and has a budget of $800

Storage: WD Blue 1TB HDD & WD Blue 500GB NVMe M.2 SSD
GPU: MSI Radeon RX 580 8GB Armour OC
RAM: Kingston HyperX Fury 16GB DDR4-2666MHz
Motherboard: ASRock B450M PRO4 Micro ATX AM4
CPU: AMD Ryzen 5 2600 6-core processor

This computer had enough of a budget for all the priority components.