

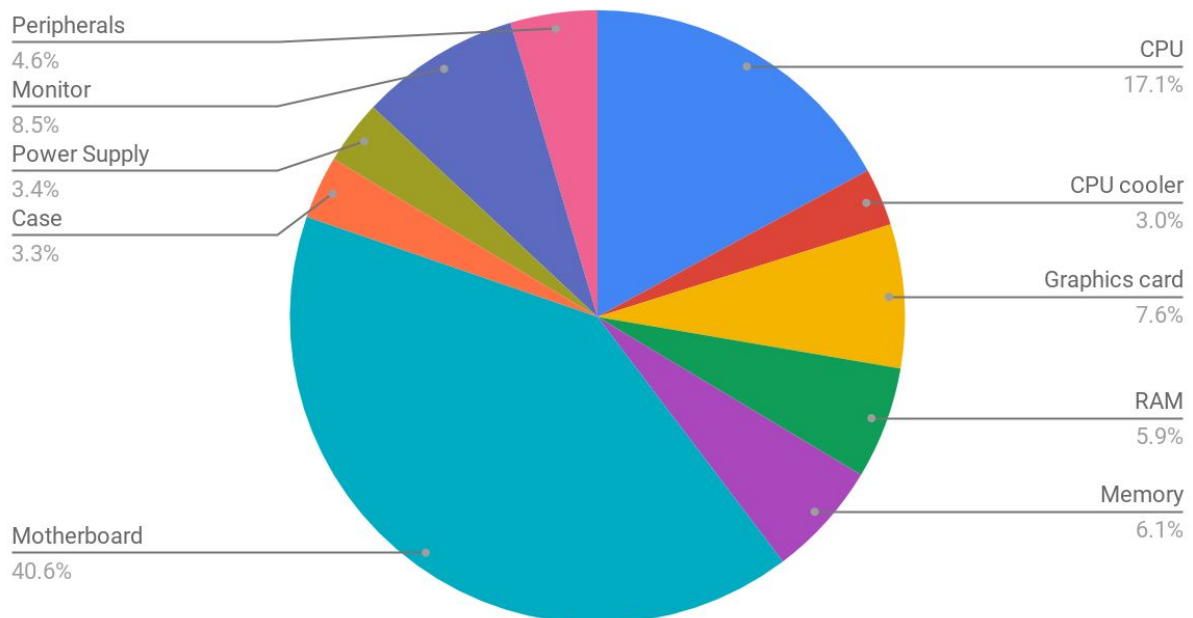
Team JOJ: Owen Kuchinad, Jimi Xia, and James Lee
IntroCS pd5
i0lab1o
2020-04-21

Flight Simulator 2020



bit.ly/msfs20

PC for Hikaru (Budget \$3k)



Our Vision

Our focus whilst designing our machine was gaming. You spend hours on Microsoft Flight Simulator, in order to sharpen her piloting skills. Therefore, you need a machine that will not crash on you, and can be reliable and fast. As of now, your machine does not have those valued characteristics. However, Team JOJ has done our best to assemble a machine that meets these qualifications.

Firstly, our motherboard, the Asus ROG STRIX Z390-E GAMING is very useful in terms of gaming. Its gaming specific network includes Intel Gigabit Ethernet, Intel 2x2 802.11ac Wi-Fi with MU-MIMO support, LANGuard and GameFirst to ensure Hikaru won't have to deal with a slow machine. Additionally, the motherboard is known for its great endurance, meaning it can work well for a long time. While opponents of the motherboard may say it's overpriced, Team JOJ had room in the budget and wanted to acquire the best.





Additionally, the Samsung 970 Evo (SSD) is classified as a "high-end gaming" memory. We made sure to claim the memory with the best fit. In your case, "high-end gaming" is prioritized.

The CPU is also of the utmost important to Team JOJ and we can ensure we did a great job. When Intel launched the Intel Core i9-9900K, they proclaimed it the was the "world's best gaming CPU." While this is meaningless without evidence, studies have shown that the Intel Core i9-9900K was in fact the fastest gaming CPU up until 2019. While it may not be the newest CPU as a 10th generation has been released since, the Intel Core i9-9900K has amazing price value for its amazing performance. The purchase of it allowed for us to be under budget while still buying one of the best gaming CPUs in the world.



Overall, we had two focuses in buying this machine. We wanted a machine suitable for gaming and under \$3,000. We believe we have assembled the best possible machine to fit both of those main focuses. Our machine is fast, reliable, long-lasting, and great for gaming, while costing a total of \$2956.83. We hope you enjoy the machine. Thank you.

*Image is an example of a gaming PC, you will not get the same exact one



Part	Price	What It does	Picture
CPU: Intel Core i9-9900K	\$504.99	The CPU is the "brain" of the computer and responsible for sending out instructions, such as opening programs. This CPU is specifically geared towards sending out gaming instructions.	
CPU cooler: Noctua NH-D15 82.5 CFM CPU Cooler	\$89.95	Prevents the CPU from overheating. Especially important for a gaming PC.	
Graphics card: NVIDIA Founders Edition (GeForce RTX 2080 Ti)	\$223.99	The hardware that produces the image you will see when playing the Flight Simulator. A good graphics card is integral in getting solid graphics	
RAM: Corsair Vengeance RGB Pro 32 GB	\$174.99	This serves as the short-term memory.	

Memory: Samsung 970 Evo (SSD)	\$179.99	An SSD is preferred over a HD. It allows for quick startups.	
Motherboard: Asus ROG STRIX Z390-E GAMING	\$1199.99	The internal hardware that connects other internal hardware components	
Case: Fractal Design Meshify C ATX Mid Tower Case	\$97.98	Encloses the machine contents for security and safety. Bonus points for being a sleek design.	
Power Supply: Cooler Master MWE Gold	\$99.99	Converts energy into usable energy for the computer.	
Monitor: Asus VG248QE	\$249.99	You need a display! 144 Hz is more than enough.	
Peripherals:	:D	:D	

Mouse: Razer DeathAdder Elite	\$39.99	You need something to move your mouse on your PC. How else are you going to fly the plane? The Razer logo is pretty sick too	
Keyboard: Razer Cynosa Chroma	\$44.99	You need to type somehow... It's also shiny and rainbow	
Headphones: Razer Kraken X	\$49.99	So you can listen to your audio! Bonus points as it has a mic and its Razer	
Shipping: Method Unknown?? Differs	\$7.99	So you can get your items from home!	

Total Price: \$2956.83

*Courtesy of PCPARTPICKER.COM

