

Reverse Engineering Challenge

Jack Brownlie

Ryan Blick

Ricardo Irizarry

Justin Urquiaga

About

- Team: Tritt United Robotics Club
- Team Number: 7919E
- Location: Tritt Elementary, Marietta, Georgia

Computer

We chose this device because we thought that we could explore more than possible with a regular laptop. A PC has a power supply, a motherboard, hard drive, CPU, and fans.



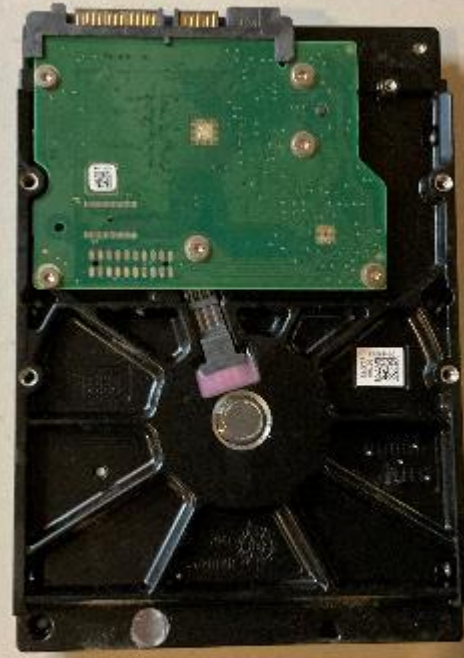
Power Supply

A PC has a device named SMPS. The more you keep it cool, the better your system will be. Switched mode power supplies are used to power and transfer the voltage of household electricity and make it suitable to run a computer.



Hard Drive

The function of the hard drive is to store information such as documents, data, files, operating systems, and more.



CD Player

The function of a CD player is to transfer data from the CD to the PC which is later transferred to the computer.



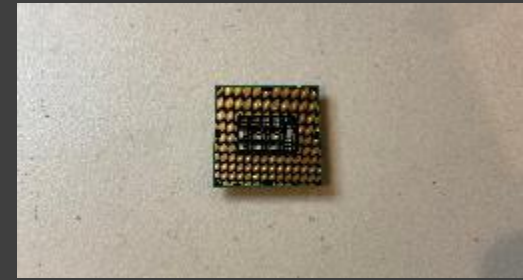
Cooling Fan

The function of the cooling fan is to cool the different parts of the computer and to keep them from overheating which helps pull and blow warm air off the entire CPU.



CPU

The CPU is seen as the main and most crucial integrated circuitry (IC) chip in a computer, as it is responsible for interpreting most of the computer's commands. CPUs will perform most basic arithmetic, logic and I/O operations.



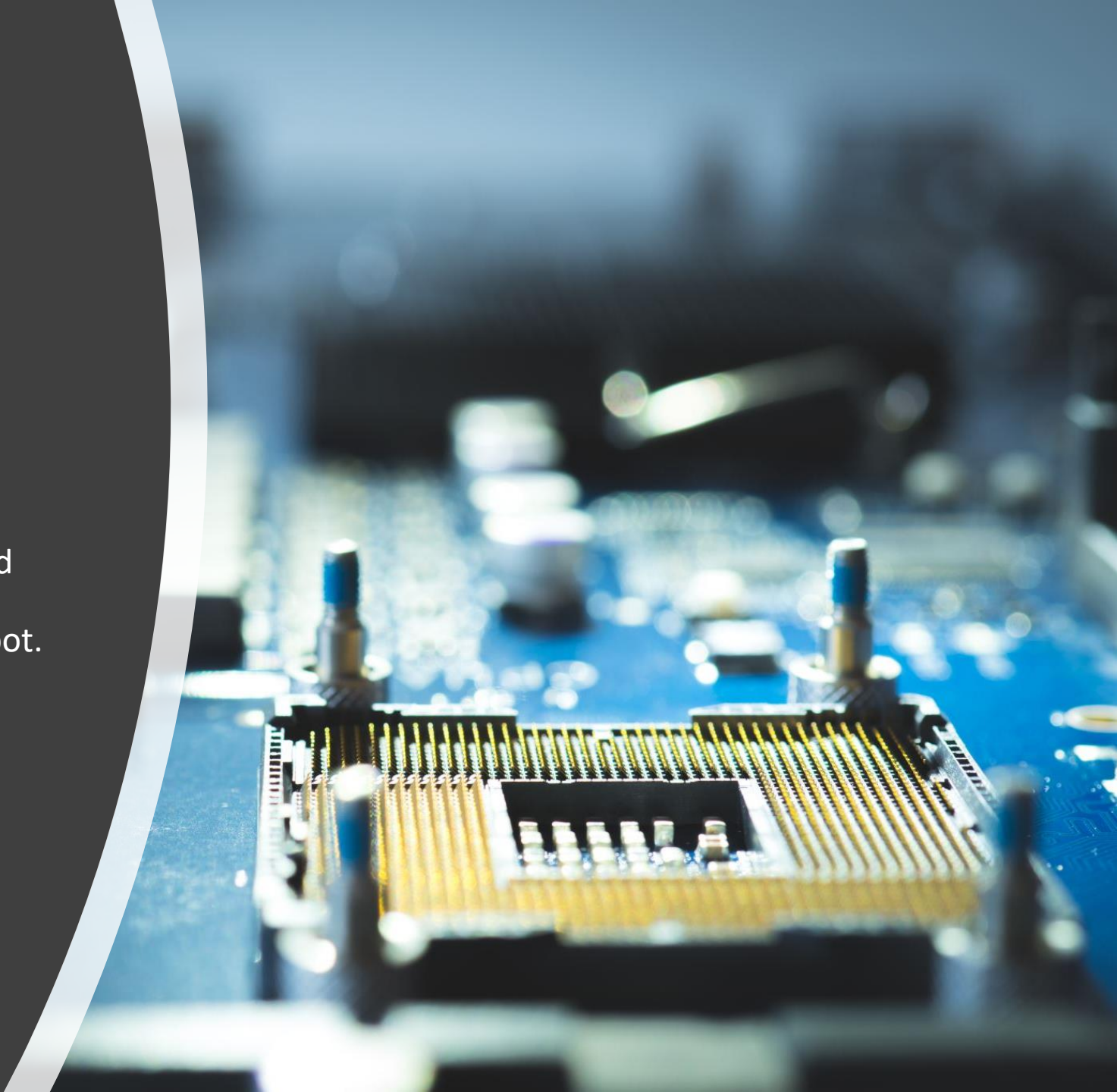
Motherboard

The motherboard is the backbone that ties the computer's components together at one spot and allows them to talk to each other. Without it, none of the computer pieces could interact.



What Did We Learn?

We learned all about the computer and its many parts, including the hard drive, the motherboard, the cooling fans, the CPU, and the CD player. This will help us because we now have a better understanding of our robot.



Citations

- [Microsoft Bing Images](#)
- [What Does a Motherboard Do? | HP® Tech Takes](#)
- [Khan Academy](#)