

Thomas Roeseler

CYSE 368

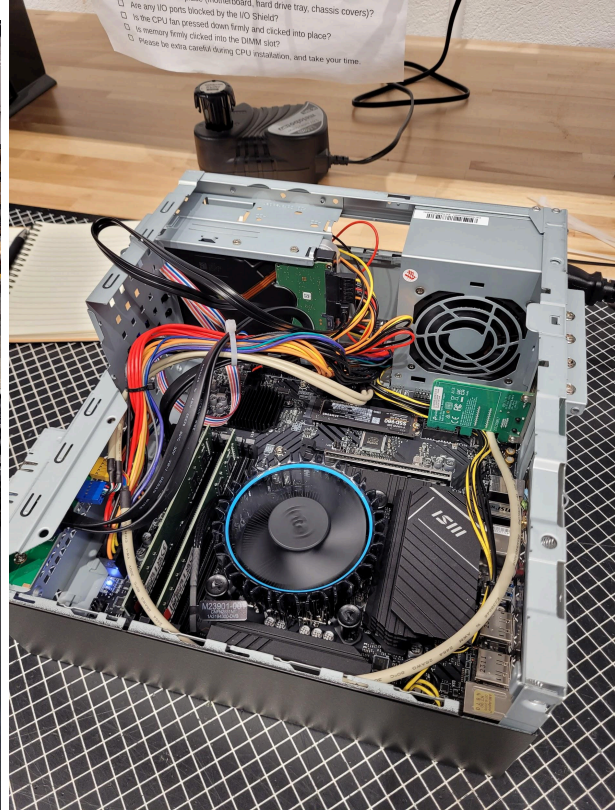
Professor Duvall

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Roeseler Reflection Paper 1

In my first 50 hours in this internship at IPConfigure as a server assembler, I learned how to build surveillance servers from scratch and also learned how to rack and then image them. I also learned how to troubleshoot CPU, RAM, and power supply issues. The process we follow at IPConfigure starts with assembling the server from scratch starting with the motherboard. After the motherboard is set up, we get the server chassis and wire everything and test it to make sure the server works. Once all of the servers in an order are built and we have made sure they work properly, we rack them and image them. Most of the time when we image them, we are installing Ubuntu on these machines. Once they are imaged, next is the quality checks and QA testing. I haven't yet learned how to do a QA test or quality check, but I will learn that soon. After they're checked, we box them up and prepare them for shipping out.

The times we run into the most issues is after we rack them, during the imaging process. This is where we can run into issues of servers not showing up on the screen or racks not working. To fix these issues, sometimes we have to take apart the server and reset the RAM and CPU or figure out if there is another problem. When they are continuing to not work, sometimes we will have to find a replacement piece depending on what is not working.



The picture on the left is what the workstations look like where we build the servers. The picture on the right is what a server looks like while we're testing it to make sure it works properly.