

# Kennesaw State University

## Parallel and Distributed Computing

### Project – Get to know your machine

Please write a report of hardware specification for your machine or VM. The hardware information should include:

- CPU clock rate
- Number of CPU cores
- Number of Sockets
- Number of NUMA nodes
- CPU model name
- CPU topology
- L1, L2, L3 cache size
- Memory size
- Current free memory
- Disk size
- Current utilization of the hard disk
- Network card
- Current Operating System name and version
- Current OS kernel version
- Machine host name

In your report, please also select the benchmarks to measure hardware specification for your machine or VM. You can use any benchmarks you can find on the internet. The hardware information should include:

- CPU compressing or decompressing speed (using 7-Zip, you can compare it with Apple A12Z chip: <https://www.7-cpu.com/>)
- Memory bandwidth or speed
- Disk read speed
- Disk write speed
- Network latency to the google server
- Network throughput

### Submission

Submit your assignment pdf file named **"Firstname\_Lastname\_Hardware.pdf"** through D2L using the appropriate link. Please submit the **a report describe the details of your machine and the benchmarks and commands you are using.**