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Professor Niu

CSCI 202

7 February 2023

Computer Specs:

- CPU: Intel
 - CPU Model: Coffee Lake Core i7
 - # of Cores on CPU: 6
 - CPU Clock Rate in GHz: 2.6
- Memory
 - Amount in GB: 16
 - Speed of memory: 2667 MHz DDR4
- Type of Hard Drive: SSD
 - Capacity of Hard Drive: 512 GB
 - Sequential Write Speed: 18886.2 MB/s
 - Sequential Read Speed: 2820.4 MB/s
 - Random Write Speed: 97.1 MB/s
 - Random Read Speed: 68.2 MB/s

32 bit integer operation benchmark:

64 bit Floating point operation benchmark

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Memory Benchmark:

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Hardrive benchmark #1

Hardrive Benchmark #2:

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| Type of Benchmark | Result |
|-------------------|-----------------------|
| 32 bit | 15988678 microseconds |
| 64 bit | 11.819 seconds |
| Memory | 0.149151 seconds |
| HD #1 | 2.70377 seconds |
| HD #2 | 2615793 microseconds |

Geometric Mean: 2.8834904362823 seconds