

Computer Specifications:

- CPU
 - Brand: Intel
 - Model: Intel(R) Core(TM) i5-10400
 - Cores: 6 cores
 - Base Clock: 2.90 GHz
- 32 GBs of DDR4 3600 Memory
- 512 GB SSD
 - Max Sequential Read: 3,000 MBps
 - Max Sequential Write: 2,700 MBps
 - Max Random Read 4k: 110,00 IOPS
 - Max Random Write 4k: 315,00 IOPS

Integer Benchmark Output:

```
PS C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\Integer-Benchmark> ls

Directory: C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\Integer-Benchmark

Mode                LastWriteTime         Length Name
----                -
-a----            2/7/2023   3:07 PM         151262 a.exe
-a----            2/7/2023   3:06 PM           899 integer_benchmark.cpp

PS C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\Integer-Benchmark> .\a.exe
4 m 52.121 s
```

Floating Point Benchmark Output:

```
Directory: C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\Float-Benchmark

Mode                LastWriteTime         Length Name
----                -
-a----            2/7/2023   5:34 PM         151260 a.exe
-a----            2/7/2023   5:33 PM           926 float_benchmark.cpp

PS C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\Float-Benchmark> .\a.exe
4 m 55.005 s
```

Memory Benchmark Output:

```
PS C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\Memory-Benchmark> ls

Directory: C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\Memory-Benchmark

Mode                LastWriteTime         Length Name
----                -
-a----            2/7/2023   4:26 PM         131361 a.exe
-a----            2/7/2023   4:22 PM           860 memory_benchmark.cpp

PS C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\Memory-Benchmark> .\a.exe
0 m 18.769 s
```

HardDrive 1 Benchmark Output:

```
PS C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\HardDrive-Benchmark1> ls

Directory: C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\HardDrive-Benchmark1

Mode                LastWriteTime         Length Name
----                -
-a----            2/7/2023   6:15 PM         134346 a.exe
-a----            2/7/2023   6:39 PM           941 harddrive_benchmark1.cpp

PS C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\HardDrive-Benchmark1> .\a.exe
0 m 2.885 s
```

HardDrive 2 Benchmark Output

```
PS C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\HardDrive-Benchmark2> ls

Directory: C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\HardDrive-Benchmark2

Mode                LastWriteTime         Length Name
----                -
-a----            2/7/2023   6:43 PM         134578 a.exe
-a----            2/7/2023   6:42 PM           937 harddrive_benchmark2.cpp

PS C:\Users\Chris\Documents\HU_School\Spring_2023\Comp_Org_2\Benchmark_Project_1\HardDrive-Benchmark2> .\a.exe
0 m 0.893 s
```

Integer	Floating Point	Memory	HardDrive 1	HardDrive 2	Geometric Mean
4 m 52.121 s	4 m 55.005 s	0 m 18.769 s	0 m 2.885	0 m 0.893 s	0 m 3.594 s