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CDS 251

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Assignment 1 Report

My work environment consists of Windows 10, I am using Cygwin with gfortran on my own computer. Having already used shell environments, I had no issue with installation or using Cygwin. I am using Notepad++ for programming in fortran.

I have experience in programming due to the fact that I used to be pursuing Computer Science and chose to leave that program and pursue a CDS major instead. I have programmed in C, C++, Java, Python, R, Matlab, and now Fortran. My higher math experience consists of Differential Calculus (MATH 113), Integral Calculus (MATH 114), Multivariable Calculus (MATH 213), Discrete Mathematics (MATH 125), and Engineering Statistics (STAT 344). I have not done Linear Algebra, but I believe that taking it after I graduate would be beneficial to my work. Unfortunately, given my background and my knowledge, I still have yet to abandon windows and use solely linux; however, I believe that in time I will start to move over to it, because I have used it before. I just like the convenience of the windows GUI and my knowledge of operating systems is not very good.

Overall, I am looking forward to this class because I love programming. I have interests in algorithm speeds and analysis. I like to try and find a way to get the maximum Big-O time to be either $O(\log(n))$ or $O(1)$.