

Marty Geier  
100 Zion Drive  
Smyrna, DE 19977  
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To Whom It May Concern:

In my capacity as professor for DeVry University, I had the great pleasure of teaching Joshua Hertzog in the Winter of 2016 in my Advanced Artificial Intelligence course, GSP-480.

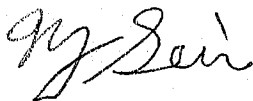
The DeVry GSP-480 course is a rather unique and advanced course not offered by most universities which deeply explores artificial intelligence algorithms from the perspective of computing. Students are required to create entire game programs and implement advanced algorithms to solve complex problems in an efficient manner using knowledge of computational algorithmic complexity and using algorithms such as A\*, genetic algorithms, probabilistic learning and neural networks. Students must complete programs from scratch that number many thousands of lines of code each week.

Because of the intelligence and academic rigor involved in taking and successfully completing this course, it is with the utmost confidence that I give my highest recommendation for Joshua having completed GSP-480 and doing so with over 99% of the grade. This is a distinguishment that only a small handful of students I have ever taught have obtained. During the course Joshua completed six very complex programming assignments and received 99%+ on all of them. Each of these demonstrates excellent programming ability, understanding program requirements and design, excellent testing, time management, and clear communication of ideas.

In addition, Joshua's discussions in the course were outstanding and interactions with classmates demonstrated willingness to dedicate serious time to research and understanding, genuine interest and intelligence in complex problems, review of software and resources, and beginning leadership skills. His analysis and lab reports submitted with his programs were of the high quality and academic rigor that I would expect to see in graduate studies.

As such I strongly recommend Joshua. If you would like additional information, you are always welcome to telephone me at (301)500-2159 or email me at megak17@gmail.com.

Sincerely,



Marty Geier  
Visiting Professor of DeVry University