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To whom it may concern:

I have heard a lot of yours before take your course and I was curious about your lectures. My teammates and I have been studying on three searching algorithms to evaluate their performance for your course BLG 374E.

I have been successful student through my education life and I will learn through all my life because I am eager to learn. I have been successful at almost all courses and I have high GPA. Particularly, Analysis of Algorithm course caught my attention because I like to solve problems and each algorithm is a solution for a specific problem. I took this course two times at different two universities. Moreover, I have analytical thinking ability and am enthusiastic for doing an experiment analyzing algorithms. I give importance to details yet, not waste too much time with them.

In advance, I implemented different types of sorting algorithms, searching algorithms and data structure such as linear search, binary search trees, red-black trees, and hash tables by using C++ and Java programming languages. I studied on these algorithms' working principles and performance in terms of memory usage and running by using data sets of various sizes. In this study, we will focus on three searching algorithms: linear search, binary search tree and hash table. In a same way, we implement these three algorithms by using C++ and run them on string data sets of various sizes (1k, 10k, 100k, 1M) in a three different operating system as an experimental environment: Linux, Windows and OS-X. Consequently, we will determine which searching algorithm is better under which conditions.

Thank you for taking the time to consider our project. I am excited to get experience  and learn new things about algorithms. My enclosed CV will provide you with greater details of my background and what I have to offer. I am sure you will be pleased with our study.

Yours sincerely,

Okan YILDIRIM

Attachment: CV and Proposal