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Dear Hiring Team,

As a CS undergrad at GMU Engineering, I exhibit strong motivation and skill. I wish to leverage my knowledge with software tools and languages to solve problems thrown at me. I am eager to do more than schoolwork and give creative solutions to problems at hand. In school, I have learned non-stop knowledge of how to use tools effectively and create solutions using resources I can find. I have worked on many open-source projects with colleagues on GitHub. I handle numerous parts of development and deployment on applications.

I have a solid foundation of algorithms and data structures. Using NeetCode, I know my way around trees, stacks, greedy, and much more. Some common algorithms include Binary Search, Breadth First Search (BFS), Depth First Search (DFS), Merge Sort, Quicksort and more. I aim to do much more than basic programming; problem solving and arriving at solutions is also a fun aspect of development. When working, I aim to focus on planning, prototyping, designing, testing, and quality assurance.

In front-end development, I frequently use Functions and Object-Oriented programming paradigms. I frequently use classes, objects, encapsulation, polymorphism, inheritance, abstraction coupling, modularity and more in my projects. In back-end development, I have experience in using various pipelines; I use data processing because it is a popular way to handle transformations to streamline data in a suitable manner. I also use dependency inversion principles, interface segregation principals, method overriding, and method overloading.

I have a foundation in core concepts, transferable skills, and familiarity with syntax variations. I have the talent to succeed at your place, and you would benefit from my success. My proficiency with development tools and broad problem-solving skills would be an asset to your company. I use any operating system, mac OS, Windows, Linux, and I use Command Prompt or graphical user interface daily. Although I love working alone, I perform just as well working with teammates. Besides loving math equations, I love open-source environments; they help me learn how others handle problems. I have included my resume, which includes supplementary information. The opportunity to collaborate with others is top of my list; it is my favorite way to learn. I eagerly anticipate your response.

Sincerely,  
S. Talha Shahab