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Reflection Paper 3

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### Internship Reflection Paper 3

Working as a coding and data intern for my third 50 hours has continued to challenge me in new ways to develop my independence and our organization's overall competence in the area. Building upon the skills and knowledge that I had gained during my previous 50 hours of the internship, I was given more challenging tasks to help me further develop those skills. During this stage of the internship, I was tasked with completing a variety of projects and tasks that contributed to the company in ways that I had not before.

My most significant contribution to the organization during this phase of the internship was the development of an offline version of one of their applications that they use online. I had to gain an understanding of the way that their current application functioned online, as well as what I could do to develop that application in such a way as to make it run more efficiently when used without connection to their online application. My efforts to develop this application resulted in a new application that could handle files of larger sizes, as well as with increased speed compared to their current available offline application. Thus, I was provided with a sense of accomplishment upon its completion, as I knew that I had helped the company to develop a tool that would meaningfully impact the way in which they operated.

Beyond developing this application, I was also tasked with assisting their research team in the creation of a new tool for the organization. This process required performing research on platforms like GitHub to find tools that would function similarly to the tool that we were attempting to create. Additionally, each of these tools had to be tested to ensure that they could successfully be implemented into the organization's existing systems. This task helped me to further understand how the research and development process may occur within the organization, as I was required to perform these efforts to develop their own in-house tools.

Some of the most important skills that I developed during this third phase of 50 hours was my ability to understand the structure of problems that exist within their systems, as well as how the research and development process may occur to fix such problems. Furthermore, as a developer of their offline application, I also became familiar with the importance of performance in their applications, as even small improvements to performance can have an overall impact upon the productivity of that organization.

Finally, in addition to my role in developing applications and tools for the organization, I was also tasked with assisting the organization's researchers in the verification of data within their Excel spreadsheets. While not related to the skill of developing or testing applications, such data verification is another way in which I was able to contribute to the team.

In conclusion, considering the objectives that I had established for myself as the intern, I believe that this third phase of my 50-hour commitment to the organization has been the most well-rounded of my efforts to date. I have developed an increased ability to build and optimize applications, researched for and tested potential solutions to problems. Additionally, I have also become accustomed to the additional responsibilities of a technical professional within the organization itself. Overall, then, I am satisfied with the work that I have completed during this

third 50-hour phase of my internship. I have been challenged in ways that were new to me during my previous phases of the internship, and I feel a sense of pride in the contributions that I have made to the organization during this time. Furthermore, the skills that I have developed during these 50 hours continue to give me confidence in my role as a professional in the coding and data field.