Internship Summary Report

The summary report is an important part of the internship program. And it is a subject that the students must complete. The report is completed by the training students themselves.

The report should include professional skills training, corporate culture experience, team spirit training, professional ethics training, professional ethics training, criticism or suggestions on internship, etc. The total number of words should not exceed 2000 words and not less than 800   words.According   to   the needs of Suncaper Co., Ltd., your training experience may be extracted and used for company promotion. Of course, with your own consent, please choose whether to agree: Yes

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Abstract: At first, I would like to start by giving my all gratitude and thanks to all the Suncaper company Ltd. for guiding us through this internship. I feel very fortunate to be a part of this amazing internship by the reputed company Suncaper. Before starting the internship, I was very worried about whether I could learn something or not. When the university notice come up and knew we will be doing the internship this semester I become more anxious by thinking of an online internship because of the current global situation. But I have able to accept the reality of the situation and prepared myself for the training. I started preparing for the internship in advance by visiting their company website, gathered information and suggestions from others who have already finished the internship. They told me that I going to learn real-life implementation about coding, database, data structure, and algorithms, etc. I was excited about the first class of our internship. The course contents were vast and we needed to finish in a short period and it was very intense for me. But when Mr. Led Li introduced us to the course content and I found out much new content including the real-life implementation of old content we have learned from our university. As soon as the course started all my confusion went away.
The teaching methods were very effective for me as a beginner and they've taught us

from scratch and their daily homework based on daily topics was efficient for me to practice and gain confidence. No one can deny how helpful and patient were the engineers. Whenever I am stuck in some problem, I never feel hesitate to contact the engineers to guide me and they guided me patiently step by step. Suncaper company Ltd. also provided us a private learning environment for each student which was the best part I should ever admire.

One more thing I would like to add, online learning is not bad at all as we have used the DingTalk app. I can check out the previous lecture videos, the course contents are secure there, open and wide platform for everyone to discuss, maintaining schedule, etc. The engineers were well trained to teach and guided us through this amazing journey online. The Oasis website was another great platform to track our attendance and to observe learning progress. Their wiki website was also efficient for me for hand notebook.

Professional Ethics and Skills Training:　　Now let's compare learning from the University and training. I have done some same course as my university in this internship but it has a huge difference to distinguish between. I wanted to gain exposure to how software development works in real life. Back in my classroom, we were only trained to solve coding problems, homework and passed the exams. I was always wondering, how can implement it in real life to change the world. Suncaper company Ltd. gave me the answer. The projects were well defined and I was taught how these few lines come into play when we build projects. I began to realize that it is through deep understanding and discussing the content around the cases that allows us to understand which solution is best for some particular problem. During my time here, I've come up with a realization of what I have expected and how it should be completed.It is through discussion and understanding the context around the cases that allows us to understand which solution is best suited for our particular problem.

I started with learning a single programming language Java for building blocks for the projects. We choose java to learn because it is object-oriented means it follows a programming style that includes concepts such as class, object, inheritance, etc. Additionally, developing OOP-based apps are easier as it helps keep the system flexible and extensible. Then I learned about some frameworks, tools, and libraries of JAVA such as MyBatis, Maven, Spring Boots, Spring MVC, Spring boots-join tables. I have also learned about the Java HTML5 template engine called Thymeleaf. With the help of these frameworks, I could easily build a project without starting from

scratch.

Before starting the internship, I had some basic knowledge about Spark, Hadoop Cluster.Thanks to Mr. Ned Li for developing my knowledge about Hadoop and Spark. Once I familiarized myself with Spark and Hadoop, I began to realize how spark used to execute much faster by caching memory across multiple parallels operations whereas MapReduce involves more reading and writing from disk. Spark provides a richer functional programming model than MapReduce. That's why it's useful for the parallel processing of distributed data with iterative algorithms. And Hadoop works in distribute processing manner and it stores both structured and unstructured data. It is also fault-tolerant and it processes complex data easily and very fast. Hadoop has a unique storage method and it is fault tolerance. When data is sent to an individual node, the data is also replicated in the other nodes in the cluster, so when in the event of failures. Real-time and faster data processing in Hadoop is not possible without Spark. Data is useless without analytic and processing. Therefore, we need software that can take care of that for us, like Hadoop. Developing such solutions requires programmers and engineers, which means more job opportunities. This is a positive impact of big data on society.

Before this training, I had no idea about the database, MySQL. But Mr. Ned Li makes it easier for me to develop basic knowledge. I have also learned about database design. I had previous knowledge about Linux operating systems. But setting up the MySQL server to Hadoop cluster was very new for me and an effective experience for my future.

I want to thanks Mr. Ned Li for teaching us from scratch, introduce us HTML5, CSS, Bootstrap and Jquery.

Learning the X-mind and power designer tool before starting our project was very impressive. X-mind or mind mapping tool is a brainstorming tool that helps us create a visual diagram for our project idea. Power designer tools helps us creating database model design for our E commerce project.

Learning Version control was also amazing I've learned from this training. Version

control is important to keep track of changes and keep every team member working off the latest version. As a project manager, it was very efficient for me to keep my teammates on track and guidelines for our project. I had previous experience on git and GitHub. But learning Git-Lab through this internship teaches me how to use a remote git server.

Using Jira was very new for me but I've enjoyed it a lot to set up daily tasks(issues), Sprint, epics, and time management. My Teams need to view all the tasks and bugs in the backlog so they can prioritize big-picture goals. It's a great tool for project management.

Corporate Cultural Experience: It was only 21 days with Suncaper Company Ltd but it played a significant role in my life to build up a better future for me. The scope of being able to open collaboration and communication, transparency on Q/A session made us comfortable to follow their lecture or to work with them. We had a better understanding of the engineers and their professional way of teaching made us prepared for a step into the real world. Although we are from a different country, I never faced cultural differences or communication problems while learning. Even though it was online learning, but their daily sign-in/sign-out methods on the OASIS website were the best way to keep us on track and make me feel real professionalism. The internship was a great experience for me. There are some takeaways I want to mention:

(1) Web development especially back end.

(2) Time and team management.

(3) Debugging.

(4) Difference between academic and internship based on coding.

Suggestions on internship: Overall, everything was great. But in my opinion, there's still something need to be improved for a successful engineering internship:

1. Setting up mentors for each team.
2. Frequent team meetings with the mentor.
3. Request University authority to extend the time for internship by letting them understand the value of an internship.

team spirit training: Team spirit is integral to building a successful team. People that exemplify good team spirit may be able to take on more leadership responsibilities and management roles, as they are able to encourage others to work

well together.When people show teamwork spirit, it means they are more invested in the goals of their organization. Teams that function well together are more productive and provide greater value to an organization than teams that are full of conflict. When teams are working well together, the organization will be more efficient and profitable.As team leader, to maintain my team to finish a successful project within the given period of time. It was the most important thing I have learned from my internship. It is the feeling of pride and loyalty that exists among the members of a team and that makes them want their team to do well or to be the best.As team leader I was able to build a good team spirit.I choose the right team members to complete our project, I often organize social events to share praise and give useful feedback,able to make my teammates inclusive,I gave value the contribution of each members,provide clear direction and sense of purpose,made trust building a top priority,build on strengths and manage weakness.Team spirit is an attitude that enables us to work together.It's about camaraderie, cooperation and collaboration between our team members.These are the I have learned from this internship which helps to get a leadership personality.Team spirit also improves my communication skills, Time management, Problem-solving, Critical thinking, Collaboration and most importantly leadership.

Conclusion: In my opinion, our internship course was very beneficial for me. Because it helps me to develop my professional attitude, strength, confidence, leading mentality, personal character and provides a greater door to opportunity. By investing my time into this internship, I give myself the broadcast spectrum of opportunities when seeking and applying for a job after college. One of the most valuable skills I've earned the ability to lead a team for a successful project and speak with people with professionalism. In a nutshell, this internship has been a superb and rewarding experience. I can conclude that there has been tons I've learn from my work on Suncaper. Needless to mention , the technical aspects of the work I've done aren't flawless and will be improved provided enough time.
I would like to give special thanks to Mr. Ned Li, Kexiang Huang, Ethan Lu, Sharp Lu and 李焕宇 For their consistent effort for us. And I'm looking for an opportunity to work at Suncaper company Ltd. I will always miss Suncaper company Ltd. Thanks to Suncaper company Ltd for providing us a variety of solutions.