# INTERNSHIP PERIOD – 20 November 2023 to 24 November 2023

Name of student intern: Darius Sim Jun Yang

Name of the company: Nanyang Technological University, ARISE

Course: Game Development and Technology

*Week 1 Report: Date Questions to answer:*

1. What are your initial reactions to your first few days? What are you looking forward to? Is there anything you are disappointed about?

I was expecting to start work on coding, but it was a pleasant surprise to learn that we would first be doing field work as it allowed us more time to understand the coding languages that we needed to.

1. Read the entire website of the organization and read relevant marketing materials about the organization (If possible ask for an annual report or similar document). Do a summary of what the organisation is about and does.

ARISE is a pan-university institute at the Nanyang Technological University which focuses on research regarding ageing, including programmes and activities meant to address the growing ageing population’s demands.

It coordinates efforts and resources between various groups (Within NTU and other external organisations) to benefit the elderly, communities, and society.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

We were assigned to handle field work, and as such, were not able to leave any tasks unfinished without absence. We would be required to perform tasks such as setting up Nintendo Switches for the elderly to play, and we would also be required to perform or assist in surveys for the elderly, after which we would perform a test for their mental capacities.

I relearnt my Chinese (Which had been severely neglected since secondary school), and also learnt to work with others and I am currently in the process of learning to settle in the workflows of others while avoiding as much disruption as possible. I faced issues in communication such as being unable to convey what I mean or am referring to, mostly due to my poor social and communicative skills.

# INTERNSHIP PERIOD – 27 November 2023 to 1 December 2023

Name of student intern: Darius Sim

Name of the company: Nanyang Technological University, ARISE

Course: Game Development and Technology

*Week 2 Report: Date Questions to answer:*

1. Provide some details about the history of the organization.

It was launched on the 6th of May, 2016 by the minister for health, Mr. Gan Kim Yong, at Nanyang Technological University.

1. Get a copy of the organizational chart and job descriptions within the organization or department. Show it below.

A group of people's heads on a white poster

Description automatically generated

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

I have been tasked to serve as a trainer for the elderly to learn how to play games, and to aid them in competitions and during sessions at various elderly centres across the country. I completed these tasks at all sessions, after which I moved onto the next task, if available.

I have also been tasked with interviewing the elderly and performing surveys for them pertaining to their health and situation. I have also performed tests for them which tested their health. These tasks have all been completed, although in some situations the supervisors or another intern would take over for me midway through or for the tests.

I relearnt my Chinese to communicate with most seniors, and I also learnt that I need to be better at communication, while simplifying things in a clear and concise manner. I was unable to describe some things to seniors and I had gotten caught up over details while trying to accurately obtain data from the seniors, which had led to inefficiency and unnecessary calls to the supervisors for help.

# INTERNSHIP PERIOD – <4 December 2023> to <8 December 2023 >

Name of student intern:

Darius Sim

Name of the company:  
NTU ARISE

Course:  
Game Development and Technology

*Week 3 Report: Date Questions to answer:*

1. Ask your supervisor his/her career story. Summarise his/her story below:

Mr Chris took up engineering in Temasek Polytechnic, before choosing psychology.

1. If you have identified challenges or disappointments in your initial expectations of your internship (from week1), put together an action plan to deal with these. List the plan below.

I begun working on maintaining a general restraint to ensure that I act in a socially-appropriate manner. I have also begun learning to use the patch code by asking questions about it mentally and answering them quickly as I look at the code, this helps me organically learn about and understand the code and the program which runs it.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

We were sent to perform more field work, culminating in the competition at Suntec City which we had to assist in.

I learnt some new methods to understand instructions better and how to act in situations.

# INTERNSHIP PERIOD – <11 December 2023> to <15 December 2023>

Name of student intern:

Darius Sim

Name of the company:  
NTU ARISE

Course:  
Game Development and Technology

*Week 4 Report: Date Questions to answer:*

1. What is your biggest challenge in this internship?

Communicating.

1. Do you feel like you fit in to the organization so far? Why or why not?

Not entirely, while I have been working well enough thus far with the tasks, I feel that I do not speak on the same page as the others, my colleagues and supervisors both, sometimes.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

We were tasked with understanding the code and learning to test it on other devices, it has been relatively smooth thus far, save for some issues with the creation of a Facebook account, and we were also sent out presumably to fulfil a make-up session for some elders for them to do a survey.

I have generally learnt to use Patches as a coding medium, which is similar to Unreal Engine.

# INTERNSHIP PERIOD – <18 December 2023> to <22 December 2023 >

Name of student intern: Darius Sim

Name of the company: ARISE NTU

Course: Game Development and Technology

*Week 5 Report: Date Questions to answer:*

1. How has your perception of the internship/organization changed since you started the internship?

I have learnt to be less overtly formal as I found that it was not as overtly formal as I expected it to be.

1. What goals have you met so far? What goals do you still need to meet? Have you changed any of your goals?

I believe that I may have improved my communication skills somewhat as I have not had a period of miscommunication or misunderstanding in a while. I have not changed my goals.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

We did more surveys and more office paperwork handling. We did manage to confirm that the games worked through Facebook (Meta) Messenger calls, although the process was less streamlined than we hoped, but would otherwise work.

I have learnt more processes regarding my work but nothing related to programming and the issues we faced in performing the task were relatively trivial.

# INTERNSHIP PERIOD – <25 December 2023> to <29 December 2023>

Name of student intern: Darius Sim

Name of the company: ARISE NTU

Course: Game Development and Technology

*Week 6 Report: Date Questions to answer:*

1. What have you contributed to the organization? In what ways do you feel like you can improve your performance?

I aided in surveys, but I feel that I could improve my Chinese to better communicate with the older folks so that I can improve the speed of my work to do more, and also ensure much more accurate results for my surveys.

1. Is your personality a fit for this organization? Do you notice particular personality types working in this industry?

I am unsure how to answer this question as most of the work relates to manual labour and some technical work, which I do not believe is affected by personality. Otherwise, the personality types seem rather diverse, with nothing of note, according to my own personal observations.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

I completed more surveys, and apart from bringing a broken IPad back to the office and helping out in some office work regarding paperwork, there was no tasks of note. Likewise, there were no lessons to learn beyond slight improvements in my Chinese, and an issue I faced was difficulty in explaining the survey to a participant who was unable to understand some of it but could not speak other languages.

# INTERNSHIP PERIOD – 1 January 2024 to 5 January 2024

Name of student intern: Darius Sim

Name of the company: NTU ARISE

Course: Game Development and Techology

*Week 7 Report: Date Questions to answer:*

1. What is surprising you about this internship?

It was not as strict as I expected it to be, and I was expecting to spend most of my time in the office doing programming work, however, we ended up doing surveys and I had to brush up on my Chinese due to the Chinese-only nature of most interviewees.

1. Identify the most boring or routine activity in this experience and put together a plan for turning it into an opportunity for learning something new. List your plan below.

It would be the constant physical and MOCA tests we conduct where we have the interviewees performs simple exercises such as standing in place and walking a set distance, and timing them, or where we would give them some mental exercises to perform to gauge their cognitive abilities.

However, I have been much more focused on learning from the code instead, and also looking into the different programming languages that they wish for us to learn as it will be more vital towards our current project.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

We had a few more survey sessions, but otherwise nothing too noteworthy.

# INTERNSHIP PERIOD – 8 January 2024 to 12 January 2024

Name of student intern: Darius Sim

Name of the company: NTU ARISE

Course: Game Development and Technology

*Week 8 Report: Date Questions to answer:*

1. Did you work with a diverse range of people?

Yes, us 5 interns from NYP also work with 2 other interns from other polytechnics and have 3 supervisors with varying degrees from psychology, sociology, to engineering. We also work alongside other members of ARISE who I seldom meet.

We are relatively diverse with what I estimate to be 4 ethnic groups at least within the staff, including us interns. Otherwise, everyone in the office has been very pleasant and I do not foresee any issues that may arise between us.

Pertaining to survey work, most of the elderly were either Chinese, Malay, or Indian. However, English and Chinese are the only languages that the survey supports, although I do not believe that any issues have hampered survey efforts severely due to this.

1. How did people from diverse backgrounds work with each other? What did that teach you?

NIL. I did not notice much of diverse background affecting any interactions. I believe that this is due to us interacting with each other as we would anyone else, regardless of race or background.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

We were tasked with studying certain programming languages such as MySQL, Typescript, React.js, Next.js, and Express.js. I cannot say for certain if I have completed them as I feel that no matter how much I study, my knowledge will still be inadequate.

Otherwise, I have learnt the basics of these languages although I have yet to learn how to fully use them for our projects, which I may require further experimentation and consultation for. Otherwise, I believe that it is too early to acknowledge any issues as we only have study, with any unfamiliar topics being easily learnt through a quick search online.

# INTERNSHIP PERIOD – 15 January 2024 to 19 January 2024

Name of student intern: Darius Sim

Name of the company: NTU ARISE

Course: Game Development and Technology

*Week 9 Report: Date Questions to answer:*

1. What did you learn about yourself through this experience?

I have learnt that I need to be less arrogant about the way I perceive things, and to treat all new learning ventures as things which while I am capable of learning, that I must not be complacent in. This is due to my belief that Next.js was rather simple and that I could work with it, which ended up becoming a rather difficult project that I had made little progress in and that I need to work heavily on.

1. What was your biggest success in this internship? Were your expectations for this experience realistic? Why or why not?

I would say that my biggest success was my testing program which allowed me to develop a prototype for the features that I was working on. However, I admit that it is far from finished and still needs to be worked on with integration in mind as I do not have access to the database, and as such, need to ensure that spaces in the code allow it to be easily replaced and integrated.

I expected that we would be spending most of our time in the office developing programs, and it was realistic to an extent that it was somewhat accurate for the latter parts of our internship, although it was not quite so for the earlier parts, which only consisted of surveys and program testing.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

I needed to create a few functions that would allow me to use HTML and Next.js (Mostly Next.js’ HTML functions) that could perform basic manipulations of tables to dynamically create tables from data arrays of arrays and to send data through pages with forms and the inbuilt router system of Next.js to perform these manipulations. It was extremely difficult and I am still in the process of figuring it out.

Otherwise, I have learnt how to handle some extremely basic portions of Next.js and I am learning it as I go.

# INTERNSHIP PERIOD – 22 January 2024 to 26 January 2024

Name of student intern: Darius Sim

Name of the company: NTU ARISE

Course: Game Development and Technology

*Week 10 Report: Date Questions to answer:*

1. What have you done that you didn’t ever think you would be able to do?

In general, developing something that could somewhat work with my limited code, as sending data through a router was something I was unable to perform until I discovered how simple it actually is. However, the form data can only be sent through GET with my current setup, which I hope that the integration with the main data routing code will be fixed to a POST instead through a custom API developed by us.

1. How are you different than you were when you started this experience? What changes would you make if you had the chance to do this over again?

I am not sure if I have enough introspective capabilities to make an objective judgement of myself. But if I had to make a guess based on what I currently think, I would like to believe that I have gained some form of confidence in what I do, even if I do not believe that it was a major change in how I operate and work.

If I could do this over again, I would be less unsure of myself and more observant of what the others around me were doing so that I make fewer mistakes and operate as efficiently and cleanly as the other interns.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

We were still working on the prototypes, but thus far, I have gotten the routing to work. Thus, I have been assigned (By Winston), to develop further ID code for automatic ID generation and to export the table’s data format into a JSON, which was done through a single JSON function, which may have made it less than applicable for more complex data formats.

I learnt to blame the code less and while it still needs work, I am attempting to learn a mindset of “It is not the code’s fault, it is mine”.

Otherwise, I now need to consider how I will sort and handle the code to make it applicable for the main code, and how I will learn from the main code as I am

currently unable to understand it well.

# INTERNSHIP PERIOD – 29 January 2024 to 2 February 2024

Name of student intern: Darius Sim

Name of the company: NTU ARISE

Course: Game Development and Technology

*Week 11 Report: Date Questions to answer:*

1. What was your biggest success or contribution to your organization? What did you learn from your challenges in this experience?

The addition of the participants to the frontend I created. I learnt to be more careful and deliberating about my code and to use everything in a code to obtain the results needed.

1. Think about a new career option that you learned about through this organization. Research that career and provide details below.

Frontend/Web Developer, building a website was, despite the difficulties involved, an interesting experience and with my knowledge of Next.js, I believe that it is one career I could realistically also pursue.

According to the Singapore Computer Society’s website, web developers are responsible for building, maintaining, and resolving website issues. They could also be expected to create and modify websites for their employers as the job requires.

A web developer is also expected to ensure that the website functions properly and looks aesthetically pleasing at the direction of the employer.

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

I was tasked with ensuring that the table for participants could be taken and edited using form elements. However, this has proven more difficult than expected due to unexpected complications.

I was also tasked with testing games made by the previous batch and I was able to confirm that most of them, save one, worked.

Otherwise, there was nothing of note learnt today.

# INTERNSHIP PERIOD – 5 February 2024 to 9 February 2024

Name of student intern: Darius Sim

Name of the company: NTU ARISE

Course: Game Development and Technology

*Week 12 Report: Date Questions to answer:*

1. Write a description of the internship or project that can be added to your resume.

Work involved testing of games, performing surveys with elderly participants, and the development of website functions.

1. Write a handwritten thank you note to your supervisor and 2 or 3 other people at your internship site that had an impact on you. Keep in touch with these people after your internship ends. List the people and their jobs roles below.

Mr Thomas – Developer

Mr Chris – Researcher

Shan – Intern from Temasek Polytechnic

1. List the tasks you have been assigned this week. Have you completed them (Or when will you complete them)? What have you learnt and what problems did you face?

I was still tasked with the development of the function for participant adding, and was finally able to complete it, having also modified a form to ensure that the necessary data could be inputted, and the data could be modified to create an ID as required.

I learnt to look closer at the code and to think deeply about how the code runs and what data I am receiving to create the results I desire.

Otherwise, it was a much smoother week.

1. My Mentor and immediate supervisor during internship were the same person.(Y / N)

Y. Mr. Thomas was both our supervisor (To my memory and knowledge), and was also the programmer who we reported to and helped us.

1. My Mentor provided me with a better understanding of the career development and progression pathways within the company and industry. (Strongly agree / Agree / Disagree / Strongly disagree)

Agree.

1. Comments on Mentorship experience.

It was a simple experience where we were given tasks and if required, would consult him for help. But he was helpful and provided information that helped us in areas we were stuck in, such as data debugging.

1. Given the COVID-19 situation, my overall internship experience was: (Highly satisfactory / Satisfactory / Neutral / Unsatisfactory / Highly unsatisfactory)

Satisfactory.