** Student number - s3882576**

**PERSONAL INFORMATION**

Greetings, I am Jayden Warrell and new to study at RMIT. I am twenty-three years old, currently studying a Bachelor of Information Technology. To tell you a little about myself, I grew up in the city of Townsville. Before studying this course, my highest achieved education was completing grade twelve. I would say I enjoyed school and not only the learning side, but also socialising and sport. The hobbies I enjoyed most growing up was athletics, astronomy and playing a lot of video games. When I had spare time, I would choose to spend it hidden away in my room with my laptop, phone and console. After school, I tried a variety of jobs in retail, hospitality and mining before deciding to study while working hospitality.

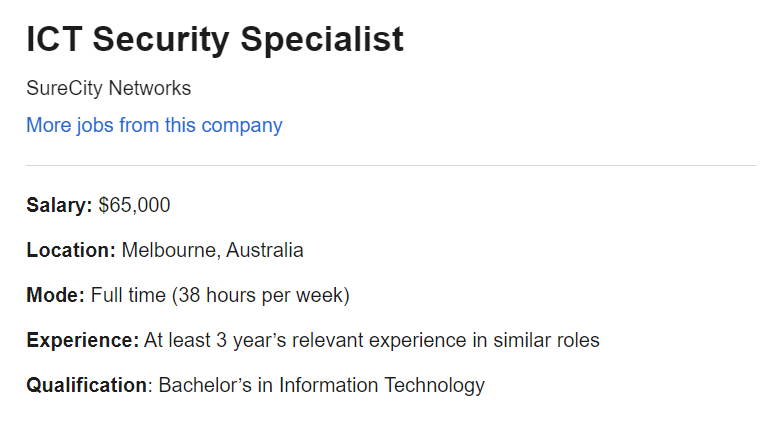
**INTEREST IN IT**

My early interest in IT grew more around the age of seventeen, the first time I saw a command prompt. This naturally triggered my curiosity since it appeared, you could talk to the computer nearly as if it had a mind of its own. This of course made me want to research about computers because I craved a more profound understanding of them. Eventually I figured command lines are a simple way of executing commands, already programmed within the shell. I also found that this could be a swift tool for simplifying tedious or repetitive instructions you are trying to give your computer. I began self-teaching myself about other types of tools and used many myself as a hobby such as editing photo’s for social media or making PowerPoint presentations for fun. I would say, it took me a long time to realise it was something, I genuinely enjoyed learning about. I eventually spoke more to my family regarding my interest and began thinking of my two uncles who work, in entirely different positions based throughout ICT. Seeing my uncles complete their degrees with successful careers in the industry, has also motivated me to study at RMIT.

**IDEAL JOB**

Description

Upon completing my studies, I hope to move towards the security aspect within the field. The career I hope to pursue in the future, is an ICT security specialist. These specialists are hired by organisations, to accept responsibility for protecting its information from loss or leakage and ensure safety procedures are followed in accordance. They specifically achieve this by, maintaining or installing security software, monitoring systems for data breaches, implementing new security policies or perhaps training staff to follow such procedures. This role is attractive to me since I see the significance with which it carries in it. The reason being how cyber-attacks are a growing threat to any industry which relies on technology to store its prized information. These attacks are usually intended to manipulate a company or sell any valuable data for financial gain. The outcome could be devastating for any organisation, essentially complete cyber espionage. For that reason, it is easy to regard why this role would require relatively high skills, qualifications and experience.



<https://www.seek.com.au/job/51141657?type=standard#searchRequestToken=204e6d89-9e06-4435-9208-7d51b584f8ea>

Manage and develop ICT security governance-related policies, procedures, guidelines and processes.

Identify security vulnerabilities to mitigate possible threats and develop countermeasures.

Monitor and evaluate all aspects of implementation, including risk and contingency management.

Develop and implement disaster recovery plans.

Knowledge in penetration testing.

Prepare security reports based on metrics.

Experience in IT Security tools, IT Security Architecture and Network Security Administration.

Ability to understand complex problems and how to find their solutions

Comprehending new information and using it to solve problems and determine the best relevant outcomes

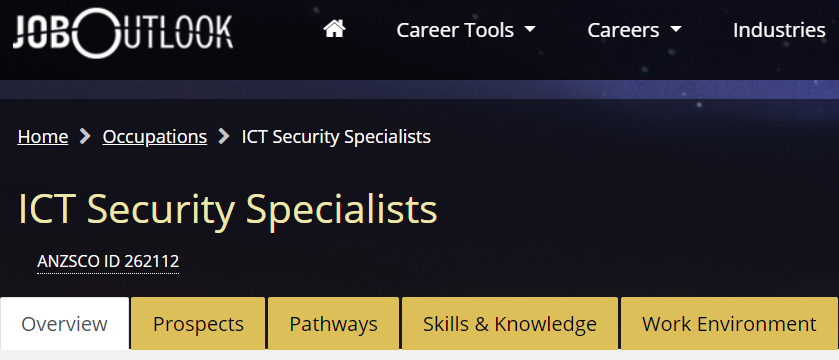
Considering and seeking to improve performance as well as that of other individuals

Thinking critically and using logic in order to find solutions to issues that arise

Troubleshooting skills

Skills, Qualifications & Experience - Needed

Entering this position would generally require a qualification of bachelor’s degree or at least 3 years’ experience within the field (3). The qualification is necessary because most relevant knowledge and skills would be hard to acquire outside of an institutional education. You will also need to have remarkably high experience with computers, electronics, hardware and software including applications and programming. More specifically these are the devices which provide the channel you will use to form ICT defence. A large amount of time will be spent working with this equipment. Other experience you would need is education and curriculum. This knowledge usually comes from a degree or study and provides you with profound information that is relative and able to be applied. Lastly you would need to know about telecommunications. This refers to the aspect of technology which is specifically used to communicate. This can include concepts like computer networks (LAN &WAN), telephone networks, wireless signals, and working with programs designed to collaborate.



**Skills** :  **Active Listening – Complex Problem Solving – Monitoring – Critical Thinking – Active Learning**

Primarily, an important skill you would need while on the job would be critical thinking (3). The ability is relevant since, you need to be precise and able to detect a real security threat which may not be standard protocol. This skill could be applied if you need to find a discrepancy in the system such as unwanted malware or the use of software to make attempts at hacking passwords. Another skill necessary is complex problem solving. This is acknowledged to be one of the most important skills to have in cyber security (11). After discovering a security issue, it may not be a basic problem encountered and might not always be solved by previously tried methods. You can expect to be exploring a range of solutions or researching a new one. Monitoring is another crucial skill to have for the role (3). It is important as it represents the capabilities to detect any threats to the system (12). Many changes in a system can occur in relation to applications, software and procedures. This skill can essentially update your knowledge of any changes regularly. This skill will also enable you to verify if all aspects of procedures are being adhered to based off any corporations’ policies.

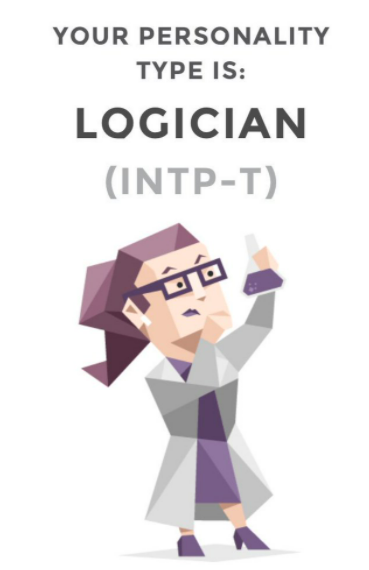
Sills, Qualifications & Experience – Have

Throughout my education I believe the skills I have are somewhat inadequate in comparison to the skills required for any IT jobs. I currently have no real qualifications apart from the completion of high school. My skills mainly revolve around basic operations within Microsoft windows, simple software coding such as HTML and CSS, and the use of many programs.

Learning Plan to Obtain skills, Qualifications & Experience

It is essential that I work hard on improving my skills and experience in order to achieve qualifications which will be relevant to my desirable position. Considering my experience and skills are extremely mediocre, my first step to proceed further will be to obtain my bachelor’s degree in Information Technology. The completion will provide me with education and training in the foundations surrounding the subject. Once I have acquired the degree, I wish to proceed to work in security administration or systems/network administration where I can gain more relevant knowledge/skills to the security field.

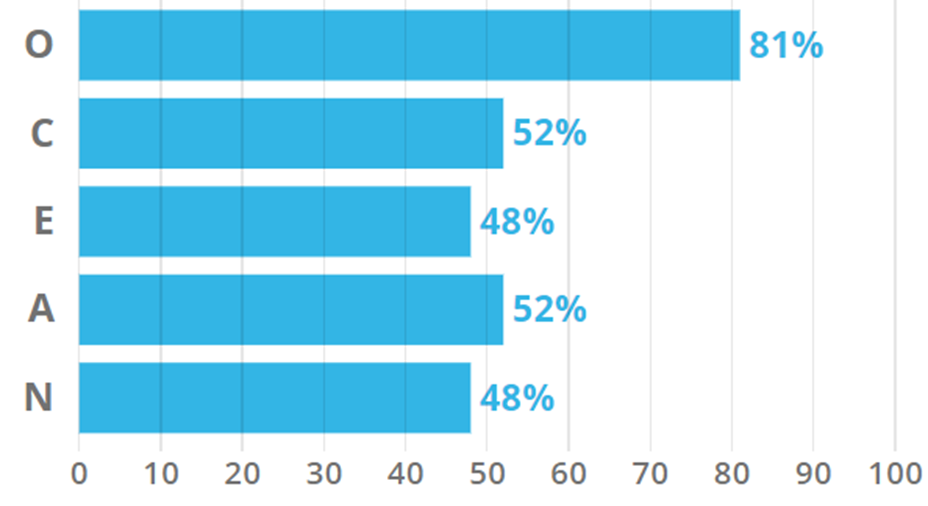
Across all industries there are many people working together to achieve similar goals and deadlines. When trying to achieve most endeavours, you will likely need to cooperate with various people among all sectors of employment. One of the most considerable factors, is personalities. Every individual you encounter will have a different set of strengths and weaknesses along with a unique perspective of the world that will differ from your own to some extent. Luckily throughout history, many great psychologists have tried to map out our behaviour and draw theories to assist in our understanding of this. Their work is useful because it can provide us with a framework and help us be more content with other people’s approaches to reality. This in effect helps us interact with others more efficiently. One of the most common and accurate tests out there would have to be the Myers Briggs type indicator. Other models such as the big 5 and Disc can also be helpful to view patterns and draw understanding.



The results I received from my first test is INTP-T also known as the logician (introverted, Intuitive, Intuition, Perceiving). These results also translate to a sequence of cognitive functions which convey (Introverted thinking, extraverted Intuition, Introverted sensing, and Extraverted feeling). I feel strongly related to this type and they are generally known for their free thinking. According to NERIS Analytics Limited (2011-2020) these results indicate that my strengths can be found in analysing, being imaginative, enthusiasm and having an objective outlook on life. Beyond the strengths also includes some weaknesses such as being private, absent minded, second guessing a lot, and being insensitive in some circumstances.

According to the sixteen personalities, my type will love to share thoughts but can sometimes become condescending towards others when explaining their ideas. This is because my type can become frustrated in explaining step by step how their idea was formed or how they got from A to B. The insult usually follows as they simplify the context of the idea to an extent which can seem demeaning while trying to grasp the other persons perspective. A lot of other personality types will require a lot of details and facts within ideas which can unintentionally skip the INTP’S mind completely. They would rather exchange their gist’s of ideas without including much grounded sensory, which can be a different perspective to some other types. For my type, it is important when working with people to exchange any ideas in a clear and specific way that can be understood by everyone. I relate to this quality strongly although psychological test are intended to provide a model and not particularly a complex accurate description of who you are.

Another test I undertook was “the big five” which provided me with a graph of stats with each letter indicating a different category of qualities. O = Openness C= Conscientiousness E= Extraversion A= Agreeableness N = Neuroticism



Lastly, I undertook the DISC assessment which was intended to calculate two different states of behaviour. One being a natural state which refers to how you see yourself or how people close may view you. The other state is concerned with your adaptable style, which refers to behaviours learned and are more noticeable to other people. These graphs represent each result, and each letter can be explained below. According to Development Corp, dba DISC Training Hub, (2011-2012) these are the meanings for each letter.

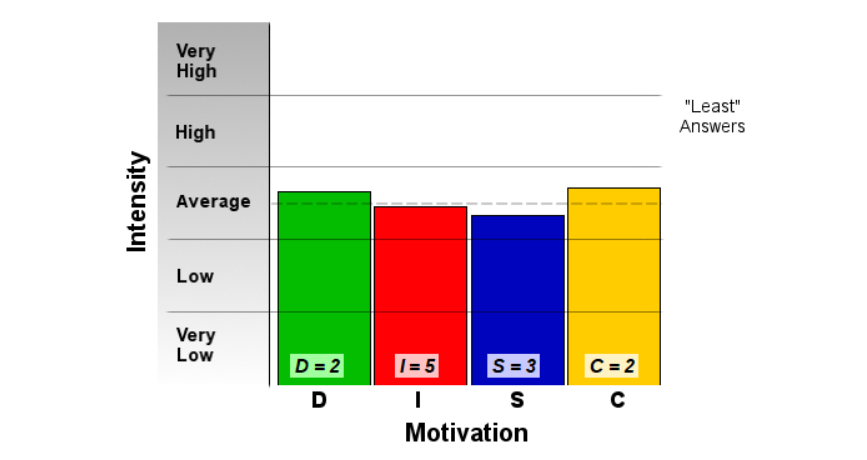
**Dominance** - People with the D style tend to be direct, firm or even forceful. They value acting and getting results and generally are competitive.

**Influence** - People with the I style tend to be outgoing, enthusiastic and generally are optimistic in nature. Like the D style, they like to act and are more collaborative than competitive.

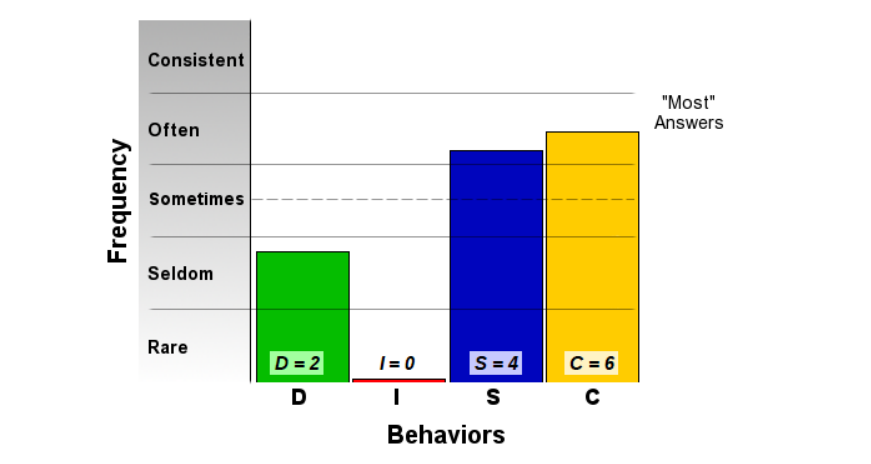
**Steadiness** - People with the S style tend to be patient and accommodating. They enjoy stability and much like the I style tend to be collaborative and enjoy being helpful.

**Conscientiousness** - People with the C style is more usually analytical and reserved. Like the S style, they prefer stability, but their priority on accuracy will cause them to challenge assumptions.

Natural state



Adaptable state:



**Overview**

The project I would like to suggest, is an application based on sharing fishing experiences. The application would enable you to locate or communicate any good fishing sites around your local area. I also propose a feature that can allow you to share comments and ratings based on the location for how effective it is for catching fish. It could also share other comments about the surroundings to be taken into consideration and provide new places to explore if it is a hobby.

Most fishing locations are limited and mainly known by most people when spoken about or searched online. This app could save many people time and money and allow people to connect with each other while discovering unique and various new places to explore within the hobby.

**Motivation**

A frequently asked question about fishing is where is a good spot? Have you ever gone fishing and spent most of the day catching absolutely no fish? According to Campbell & Murphy 2005; Henry & Lyle 2003, there are approximately 3.4 million Australians that engage in recreational fishing each year, which contributes an estimated $1.8 billion to the economy (1). Therefore, there would likely be a demand for such an app that allows you to maximize your experience and collaborate with other enthusiasts. Also, The Department of Agriculture, Water and the Environment estimates of the economic value of recreational fishing are often not available (1). This is because unlike commercial fisheries, recreational fishers do not have a motivation or need to report the number of fish or value gained from such activities. The app could assist in diminishing the lack of data surrounding recreational fishing, by tracking information in the app and contribute estimates of the value.

**Tools and Technologies**

**Skills Required**

**Outcome**

Ideal Job

(1) https://www.jobsandskills.wa.gov.au/jobs-and-careers/occupations/ict-security-specialist#:~:text=What%20they%20do,monitor%20networks%20for%20security%20breaches.

(2) https://us.norton.com/internetsecurity-malware-what-is-cybersecurity-what-you-need-to-know.html

(3) - https://joboutlook.gov.au/occupations/ict-security-specialists?occupationCode=262112

(4)https://online.champlain.edu/blog/top-cybersecurity-skills-in-high-demand

(5) https://www.seek.com.au/job/51141657?type=standard#searchRequestToken=204e6d89-9e06-4435-9208-7d51b584f8ea

(6) https://blog.gigamon.com/2019/06/13/what-is-network-security-14-tools-and-techniques-to-know/

(7) https://www.globalknowledge.com/us-en/resources/resource-library/articles/the-10-most-important-it-skills-for-2020/

(8) https://startacybercareer.com/does-cyber-security-require-coding/

(9) https://www.umsl.edu/~joshik/msis480/chapt07.htm

(10) https://www.exabeam.com/information-security/cyber-security-threat/

(11)https://www.grantham.edu/blog/4-cybersecurity-skills-can-help-prevent-computer-hacking/#:~:text=A%20Passion%20for%20Problem%2DSolving&text=Part%20of%20solving%20electronic%20security,have%20in%20the%20cybersecurity%20profession.

(12) <https://www.ncsc.gov.uk/collection/10-steps-to-cyber-security/the-10-steps/monitoring>

(13) https://www.newhorizons.com/article/4-cybersecurity-career-paths-and-the-training-to-get-you-there#:~:text=Earn%20a%20bachelor%27s%20degree%20in,%2C%20analyst%2C%20engineer%20or%20auditor.

Personality:

1. https://www.truity.com/personality-type/INTP/strengths-weaknesses
2. https://www.16personalities.com/
3. https://www.16personalities.com/intp-personality
4. https://www.truity.com/test/big-five-personality-test

Project idea:

1. <https://www.agriculture.gov.au/abares/research-topics/fisheries/fisheries-and-aquaculture-statistics/recreational-fishing>