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NOTE FROM ANTHONY CLAPP – LEAVING THERE HERE UNTIL PUBLISHED

\*\* FOOD FOR THOUGHT\*\*\*

* Only 1 member of the group needs to submit
* 1 PDF Report  
  1 Group Website -> Team Profile info
* Report has everything in it.  
  Report has links to Group GitHub Pages Website (Repo too) -> Group Website links to Individual A1 GitHub Pages
* Collaborate in Microsoft Teams / O365 / Google Drive/Docs / etc.
* Check A2 page has resources and additional info.  
  Check out the Rubric.

**1. Executive summary**

This report provides background on all the members of XVI, the tools they used, a variety of reports, and their project. Along with this, XVI reflect on their time together working as a team.

Group XVI have recently teamed up so all members have participated in a range of tests in order to determine compatibility; you will also find a brief introduction on each member of the group.

Further on you will find four reports focused on various Information Technology subjects, a report on Industry Data, as well as an interview with an IT professional.

XVI have been working on a project called “Social Care Chat”, the project can be accessed three ways, through the website, desktop, or application. Social Care Chat allows the elderly or those with a disability, to video call and interact with their loved ones with ease.

Finally, in the group reflection, the team goes through what they learnt, what they found surprising throughout the process, how technology allows for effective online collaboration, and individual activity. This was done to determine what went well, what didn’t, and what we could do better next time.

Last edit Ness 12/07 – 4:22pm

**2. Introduction**

XVI collaborated through the use of technology to plan, allocate and discuss different components of the tasks at hand. The group decided on four subjects to investigate and report on such as Raspberry Pi, Cloud Services & Servers, Cyber Security and Machine Learning. The group proceed to interview an IT professional so they can better understand the good and bad of the IT industry, as well as obtain Industry Data. In doing all of this, XVI, were able to commence with further planning of their “Social Care Chat” project with the new learnings and understanding of the IT sector; enabling them to plan in further detail and continue to leverage off technology to achieve results more efficiently and effectively.

Last edit Ness 12/07 – 4:22pm

**3. Meet the team at XVI**

****I’m Connor, ID s3866963, and I'm a part of XVI. I was born 25 years ago in Ryde NSW and raised all over Australia by a single mother and technology. Currently living in Merriwa NSW with my fiancée and our giant sook of a furbaby Turbo. My passions include gaming, modding anything and everything to do with my PC, playing my guitar when I remember it exists, binge-watching whatever series has caught my attention for the week and travelling to find yummy new vegan foods and exciting new vaporizer juice flavours. I’ve had a very strong interest in IT for as long as I can remember, but the main things that have motivated me into studying it have been modding my gaming consoles, from the PS1 all the way through to the Switch, coding both mine and all my friends’ MySpace themes back in the day and just generally getting a PC, the openness and freedom of the PC platform just completely opened my mind after being on consoles for so long.

**** My name is Corbin, RMIT ID: s3855159, from team XVI. Hailing from Melbourne City and originally from Country Victoria, I now live on the sunny Mornington Peninsula. My day job is in hospitality and tourism management but I’m always pursuing a new side-hustle. I’m an enormous music lover and spend most of my free time singing and playing guitar, reading a good book or involving myself in social or philosophical discussions. I’ve been a gamer for my whole life, and I don’t really remember a time when I haven’t owned some sort of gaming console. My interest in IT was spurred when I took a short course in Python. Tech had always interested me but learning a small amount of code showed me that it was something I could learn and not as out-of-reach as it appeared. I’m particularly interested in artificial intelligence and the future of computing.

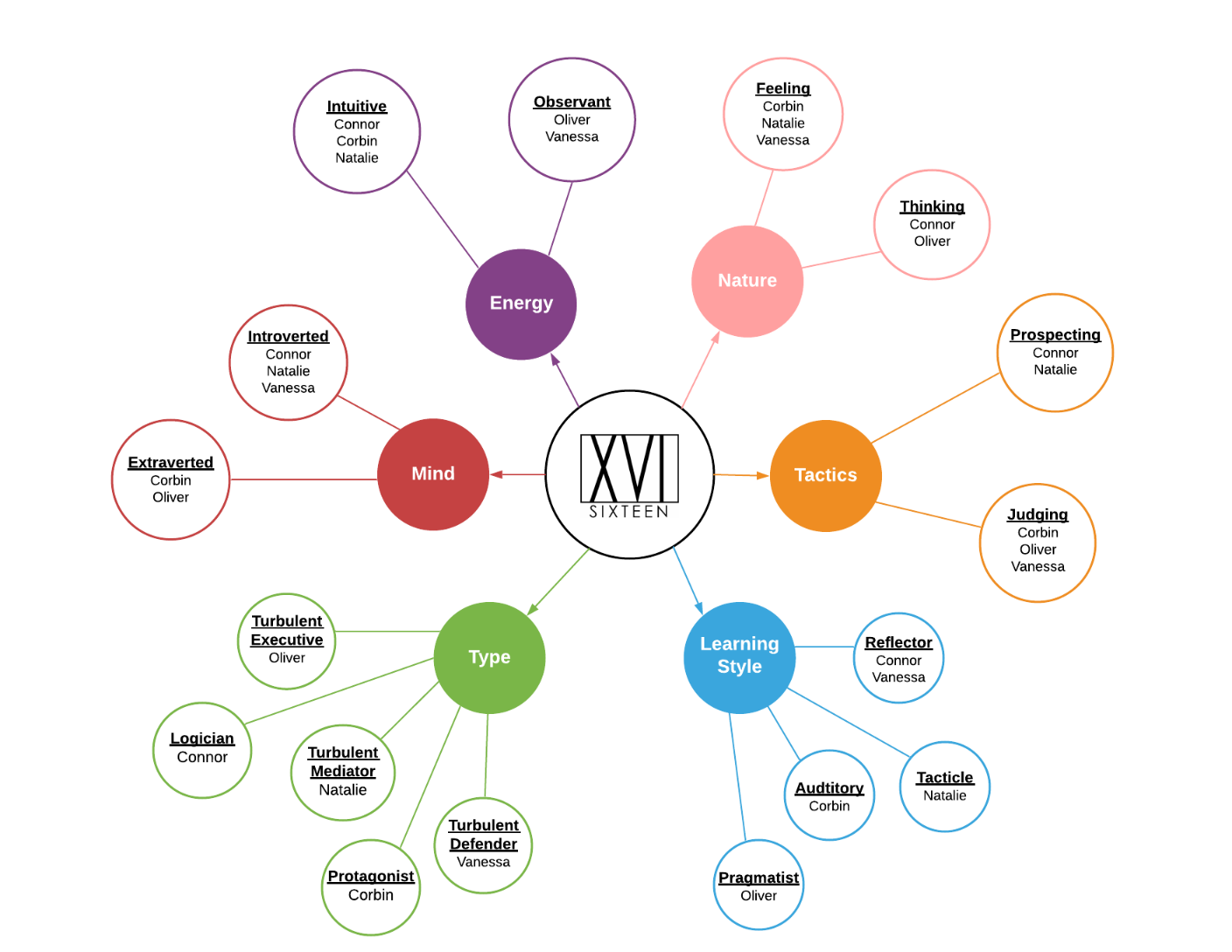
****I'm Natalie, ID s3505918, and I'm a part of XVI. I’m 24, Italian-Australian and I was born and bred in the northern suburbs of Melbourne. I enjoy modding my PC, playing video games, learning new skills, languages and watching RuPaul’s Drag Race. Since I can remember, I’ve always been in love with technology, from pulling apart electronics to hacking my game consoles and everything else in between. One of my big passions is making things and I consider myself a part of the maker community. I have taught myself to solder, 3D design and print and I enjoy woodworking. Recently, I designed and manufactured my own PCBs for a project in which I was modding a DS console to run inside an original Gameboy case. In the future, I would love to combine my love of design, making things and technology together as a career.

I’m Oliver, ID s3861675, and I'm a part of XVI. I am 16 and was born in Australia. I enjoy playing video games, watching shows, going out with friends and using software such as Unity to explore cool ideas. I have always enjoyed using technology, whether it was creating my own retro arcades with raspberry pi’s or small fun games in Unity to mess around in, with friends. I have never made a game with a serious intent to either sell or release it, but I have made many to share with friends and play together for the next week seeing who can get the highest score. IT leaves almost no limit to creativity and that’s why I like it so much. I would love to get a job as a game developer in a company, but it has also been my goal to work either by myself or in a small team just having fun whether it is in YouTube or making Indie Titles.

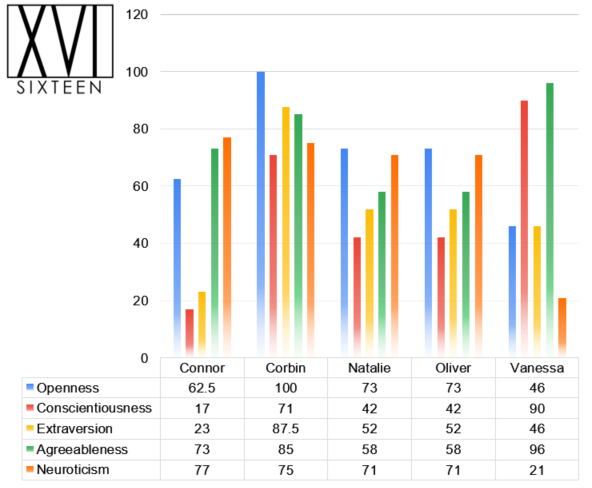
I’m Vanessa, ID s3864452, and I'm a part of XVI. I am 28, born and raised in Australia in a cute little country town that goes by the name of Orange! I grew up dancing to rock ‘n’ roll music and singing Shania Twain, I’m still quite the country girl to this day but living in the suburbs of Sydney with my boyfriend, Chris, and furbaby, Layla. Snowboarding is my passion. I enjoy being outdoors but seriously love being a homebody as well. I have been working for a tech company now for over a year and during this time I have seen our software change drastically and always improve, ensuring the best experience for the end-user. I am looking to develop my skill and knowledge in order to pursue a career in Software Engineering.

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The members of XVI participated in three tests each to determine the strengths, weaknesses and compatibility of the group. The tests performed included The Myers-Briggs Personality Test, The Big Five Personality Test, and The Learning Style Quiz.

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From the chart above, you can see the members of the team are a combination of all personality traits. The results are consistent throughout Mind, Energy, Nature and Tactics with either 2 or 3 members for each. The group’s personality type is different across the board with no same individual. Their learning styles are all different with the exception of Connor and Vanessa.

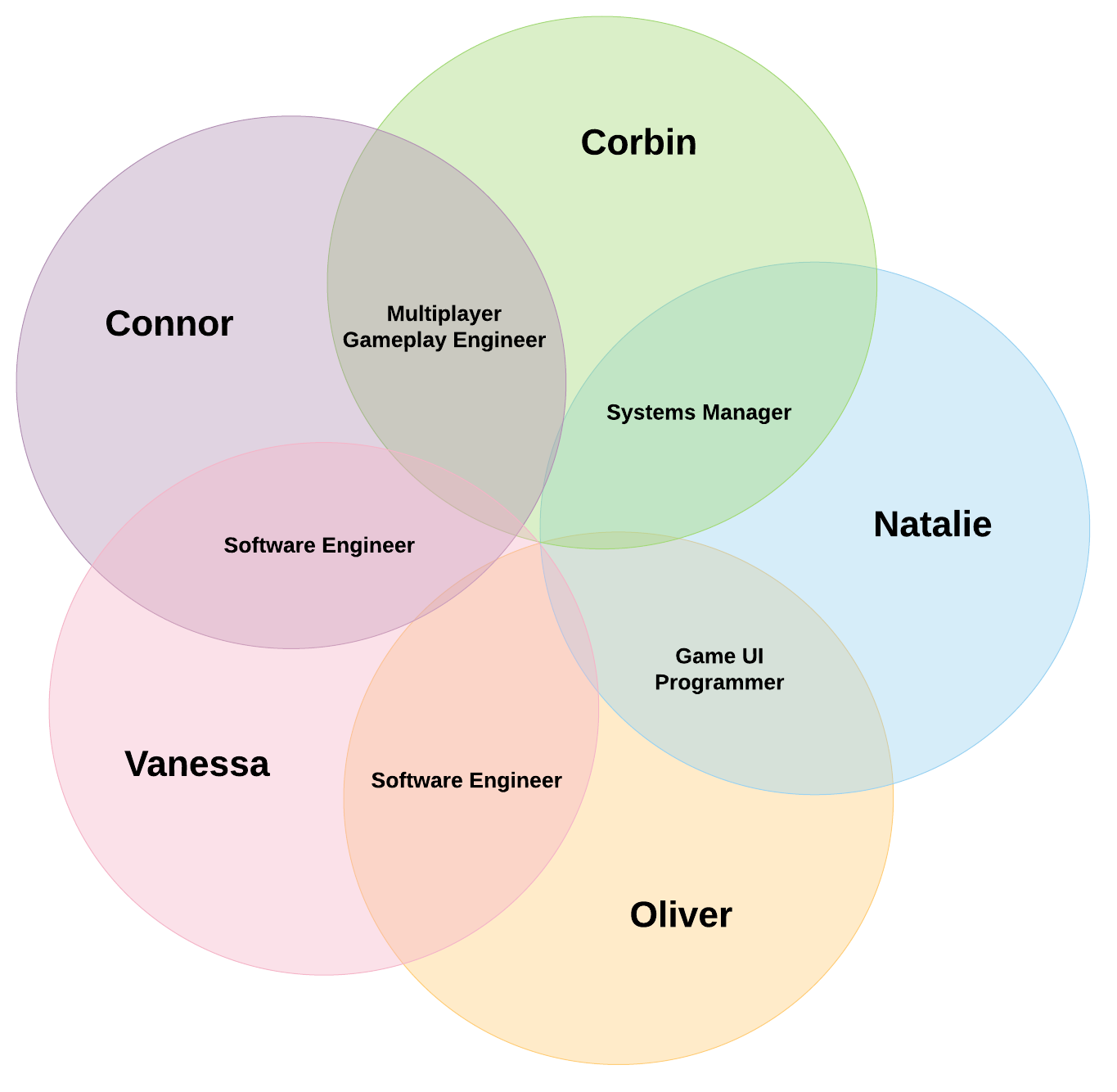


Ideal Jobs added by Natalie 10:30pm 12/07. Let me know if u think it’s okay :)

Ideal jobs for the members of XVI contain many similarities. Corbin aims to pursue a career as a System Manager, Connor and Natalie are prospecting careers in game development, and Oliver and Vanessa both seek to be Software Engineers.

The common thread between these jobs is engineering… Corbin’s job as a System Manager would see him presiding over a group of System Engineers. System Engineers oversee a wide range of tasks, and are usually involved in a project from start to finish. They focus on keeping a project running by monitoring software, hardware and security systems are up to date and running smoothly. Software Engineers however, prioritise the development of software such as games, network control systems, operating systems and more to facilitate the needs of the project.

One of the jobs that stands somewhat alone compared to the rest is Game UI Programmer as it incorporates design alongside code, but doesn’t hold the same emphasis on the running of the core game like Connor’s choice of Multiplayer Game Engineer.  Game UI Programmers are more involved in the front end development of the game, focusing on the end-user experience by creating a design that is intuitive and easy to navigate. Gameplay Engineers control the back end of the game, making sure it runs the way it was intended. These two jobs would work rather closely with each other to reach final objectives.

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Last edit Ness 13/07 – 5:30pm

**4. Tools**

Webiste: <https://teamxvi.tk/>

GitHub: <https://github.com/nataliecursio/XVI>

As a group we have used a variety of tools in order to complete the tasks required. We have collaborated daily via Discord chat and caught up frequently via Discord voice chat. In doing so, this has enabled the team to engage on a personal level which then allows us to work comfortably as a team.

Initially we used Google sheets to collate data for our assignment, after which we transitioned over to GitHub to and proceeded to commit our work to the repository using Microsoft Word. A couple of the members in the team used GitBash to push to the repository.

Visual Studio Code was to create our website and Photoshop to create our logo. Lucidchart and Microsoft Excel were used to create our graphs.

FreeNom.com was used to reserve the website’s free .tk domain name and for DNS management.

Despite the level of activity in GitHub, the effort from each individual in the team has been tremendous. Throughout our journey of working in a group, we have all remained transparent regarding the status of our work (we had a few personal hurdles to overcome) and held each other accountable to deadlines. We provided each other with feedback on what was done well and what could be done better.

As a group, XVI, have successfully collaborated effectively to produce excellent work to the best of our ability.

Last edit Ness 12/07 – 4:22pm

**5. Industry Data**

**6. Interview with an IT professional**

As we are in the early stages of our learnings of Information Technology it is invaluable to gain insight from individuals working within the IT sector on what their job looks like day-to-day and the challenges they face. I had the pleasure of interviewing Grant, a Senior Solutions Engineer.

**Can you tell me about the industry you work in?**

I work in the accounting industry, making one of the most popular cloud accounting products for small businesses.

**What does the job of a Senior Solutions Engineer look like?**

I perform customer research and get involved in the design of solutions and their implementation. I also regularly present to clients and produce materials to help educate them on emerging technologies, industry trends and how our company is working with these to stay at the forefront in our industry.

*“Collaborating with other IT professionals is essential to working efficiently”*

**What other kinds of work do you have to do?**

A part of my job is customer facing. I regularly work with clients to understand their needs better and develop solutions to help make them more efficient at their day to day jobs. I also represent the business at events, speaking about technology and the trends that are impacting the accounting industry. I also get involved in projects that are not IT centric, such as the development of training materials.

**What aspects of your work do you spend most time on?**

Currently I am working mostly in project and development work. This involves meeting with customers, understanding their needs and then making decisions around product directions. From there I work with a team to implement changes and deploy them back to customers in the shortest timeframe possible.

**So where would you spend most of your time whilst working on projects?**

It depends on what phase of a project I am in. In the planning phases, I spend the most time interviewing clients and consolidating research. When it comes to implementing a solution, I will spend a lot of time alone programming with regular short meetings with other engineers. I also interact with my colleagues (predominantly software engineers, but also designers, product managers, sales managers, and others) to collaborate on solutions.

*“This really exemplifies how IT has transformed not just rapidly, but also in a direction from a more isolated role to a role that requires much more collaboration and teamwork”*

**Do you interact with other IT professionals?**

Collaborating with other IT professionals is essential to working efficiently. Many times in software development you will encounter hard to solve problems that can take you many days to solve, but if you know someone who has solved a similar problem they can save you a great deal of time. I also get involved in development projects that have multiple engineers working on them and I need to collaborate with the others closely (meeting at least once per day) to make sure we are not wasting our time working on the same things.

**What do your interactions with clients look like?**

I deal with clients regularly for research purposes. I spend a lot of time interacting with clients to understand their needs and capture their feedback on newly developed features. I have also been involved in the sales process for some clients and provided technical demonstrations of our product. I also sometimes get involved in customer service issues when there is a technical problem concerning something closely related to projects I have been involved in.

**What aspect of IT do you think is most challenging?**

Keeping up to speed on the latest technologies has become more difficult as my career has progressed. There are a lot more frameworks available now and while they provide great efficiencies, they require a big commitment to learn. The pace of change has become so fast that it is very difficult to stay on top of everything new.

***“****The one thing that is really important is to never stop learning*

*– it’s important to stay up to date****”***

**Which aspects of your work as a Solutions Engineer do you find most challenging?**

I have never liked dealing with office politics and this has always been a burden to me. In IT, many people are logically minded and the best ideas tend to win more often than they do in other parts of business. When other stakeholders involved in decision making, they may want to make decisions without having a deep technical understanding of the problem or any proposed solutions. Part of my job is to work with these people so that they are better informed on such aspects and less inclined to make decisions based purely off personal biases or a desire to gain political favour with others. Unfortunately, I’m not always successful!

**Can you share an example of the work you do that best captures the essence of the IT industry?**

One feature I developed recently really highlighted the ways that working in the IT industry have changed so much in just the past 10 years. I created an export functionality. Ten years ago this would have involved me working primarily by myself – I would have made code changes to a monolithic code structure and they would have gone into the next release cycle, which may have been once every 3-12 months. Today, a large web product is usually written in a containerised fashion, so I had to find an existing plugin where I could have my code hosted. Once I discovered a suitable plugin, I had to pitch my work to the team that owned it to make sure they were happy for me to extend their work to include my new functionality.

Once I started building the code, I was able to get new releases out every two weeks, so I could start testing changes with beta testers and get feedback very rapidly. None of this would have been possible if we didn’t have a large team that oversaw our deployments and infrastructure using Kubernetes services. This really exemplifies how IT has transformed not just rapidly, but also in a direction from a more isolated role to a role that requires much more collaboration and teamwork.

***“****The pace of change has become so fast that it is very difficult to stay on top of everything new****”***

**Do you have any advice for graduates?**

There are so many opportunities in IT. I was worried early in my career that I was tiring of it, but it is so easy to pivot and get involved in different areas. The one thing that is really important is to never stop learning – it’s important to stay up to date, so if you find you’re not passionate enough about something you’re working on, see how you can pivot to be learning about things that do interest you.

As a Senior Solutions Engineer, Grants, work is ever-changing dependent on the project being worked on as well as other requirements throughout the business. Grant has the advantage of working directly with the end-user to understand what’s working and what’s not working. Grant’s role is essential to the business as he works to improve the overall experience and effectiveness of the software based on the research obtained from clients.

Throughout the interview with Grant it became apparent that the progression of the IT sector impacts all IT professionals significantly and that it is of utmost importance to continuously stay up to date with current trends and to never stop learning.

Last edit Ness 12/07 – 4:22pm

**7.4 Machine Learning**

Machine learning is a sub-concept of artificial intelligence and essentially refers to a computer program with in-built functions that allow it to learn through experience rather than needing to be programmed by a human. To put it simply – the computer learns by itself.

“Why do we need the computer to do the learning for us?” – You might ask. Well, traditional programming takes time and lots of it. Working out what to make, how to make it, writing the code and debugging can take months, even years to do on large projects. This has been the tried and true method since the beginning of computing and has helped us to evolve technology to where it is today. But now we have an alternative – machine learning.

Machine learning takes the arduous and time-consuming task of writing large amounts of code and puts it on the computer to work it out itself. This is called “training” and requires the user to input usually massive amounts of “training” data into a human-made program. In more complex machine learning algorithms, the programs can generate their own methods or programs through experience, but that’s starting to move toward more advanced areas of artificial intelligence.

Machine learning works by taking in information through an initial set of data nodes known as “neurons” that analyse the data’s qualities. It is then passed down through sequential “layers” of neurons until enough is identified about the data to make a prediction on what the program believes is the desired result. Over time the program refines its ability to define the correct answer by improving its ability to make informed guesses based on previous successes and failures. That is where the term “learning” originates.

A common way to do this is by the user entering in an example of the desired result and distinguishing it from the other possible, incorrect outcomes. The program then processes the input and analyses it to find comparisons between the data, examples of the correct result and what the program has learnt so far through previous analysis. The program uses this analysis to guess the correct result and is given feedback by the program on its accuracy. The program then records the results and uses them to improve its ability to make correct choices in the future.

A good example is a commonly used program designed to identify hand-written characters like the letter ‘A’. Even though it is easy for a human to understand what the letter ‘A’ represents, there is actually an incomprehensible amount of subconscious processes that have to take place in order for our eyes and brains to inform our conscious mind of what ‘A’ actually means. A program also requires a complex method of analysing and storing data to be able to recognise ‘A’, but the way it works it out can be completely different from the way we do.

Often, handwritten characters are processed as an image in machine learning. The program can use the values of the pixels to identify patterns in the image. In the case of the letter ‘A’ the program might recognise a small horizontal line in the centre and two, sloping, vertical lines on either side that meet at a tip. It could then compare those shapes to known shapes of corrects answers and find similarities between them. But the letter ‘E’ also has a small horizontal line, so the program needs a way to differentiate between characters that share qualities.

To do this, in the first layer the program might look for horizontal lines and pass the input to neurons attributed to a small horizontal line in the centre. Then in the second layer, it might look for vertical lines. When it notices that the input image doesn’t have a single, straight, vertical line on the left side but the diagonal lines of the letter ‘A’ it may then stop looking for the letter ‘E’, confirm more information about the symbols that compare to the letter ‘A’ in subsequent layers and make a guess that the answer is ‘A’. The program is then given feedback, records the results and runs the program again with the new information until it is eventually able to guess the correct answer nearly every time.

This is a fairly basic example of machine learning. In reality the amount of data, research and processing power required to process even basic examples of artificial intelligence make it a difficult field to research and as such we have only begun to scratch the surface of its potential.

Established global tech giants like Amazon, Google, Facebook, Twitter and Uber have lead the charge in artificial intelligence development but other non-household-name companies like QBurst and Skytree (who literally call themselves “the Machine Learning Company”) have also been key players in the advancement of machine learning (Andy Patrizio, *datamation.com*, 2018).

Ride-sharing giant, Uber, have invested huge recourses into researching artificial intelligence. They use it to predict ride times, delivery times for UberEATS, set surge pricing during peak times and many more functions that help Uber offer the premium ride-sharing app on the market. In fact, Uber faced difficulty in creating machine learning programs finding they were “limited to what a few data scientists and engineers could build in a short time frame with mostly open source tools.” (Jeremy Hermann and Mike De Balso, eng.uber.com, 2017).

To combat this Uber have developed their own machine-learning-as-a-service platform called “Michelangelo” that offers their in-house engineers an end-to-end service to develop, evaluate and eventually launch machine learning programs on one convenient platform. Uber have speculated over releasing Michelangelo to the public, but they have not confirmed a date or how they plan to launch.

Other, less-known, companies are taking advantage as well. For example, PlantVillage, a company that specialises in open-source information on plant health and farming practices that assists farmers in developing countries to improve their crop health and eventually, yield, have developed an app called “Nuru” (Swahili for light), that gives farmers in isolated areas, and without access to good quality internet, the ability to diagnose disease in Casava, a plant that is “tolerable to droughts but susceptible to disease and pests” (Fred Alcober, *blog.google*, 2018)

Nuru uses machine learning to identify trends in plant-related health issues. Because of poor internet in isolated areas, Nuru has been designed (once downloaded) to be used offline and will be scaled to not only detect ill-health in Casava, but eventually to be used to diagnose countless types of crops in countries all over the world. It has been a boon to small-industry farmers and is a commonly used app for farmers in African countries today.

These are only a few examples of established machine learning companies, but there are countless other companies trying to get ahead of the pack and develop machine learning-based programs to lead them into the future. As of June 2019, Aptiv and Lyft celebrated successfully completing 50,000 driverless rides in Las Vegas (Kyle Hyatt, *cnet.com,* 2019). Apple have been using machine learning in Siri to “do more than call someone on your contact list” (Andy Patrizio, *datamation.com,* 2018) for years already and have formulated an enormous pool of Apple user data. Machine learning has even been used to combat COVID-19. Earlier this year “300 data scientists and health care professionals held a COVID-19 Datathon to see what insights they might uncover [in-regards-to COVID-19]” (Kim Martineau, *news.mit.edu,* 2020).

The potential for artificial intelligence and machine learning is difficult to describe because we just don’t know how far it will eventually take us. We do know, though, that it is one of the most prolific and powerful forms of computing to date and is likely to reach soaring heights within our lifetimes.

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We are only in the budding stages of understanding machine learning but the potential for this type of programming is almost limitless. There are three levels of artificial intelligence programs cognitive capability, all of them refer to a computer programs ability to replicate natural human intelligence.

The three levels of artificial intelligence are:

1. Artificial Narrow Intelligence. This refers to a computer being able to perform specific tasks extremely well, for example, chess (astutesolutions.com, “ANI: Artificial Narrow Intelligence”, *viewed 9th July 2020*). Currently all forms of artificial intelligence that exist in the world fall under this category.
2. Artificial General Intelligence. At this stage artificial intelligence will have reached a comparable cognitive ability to a human. It will “independently build multiple competencies and form connections and generalizations across domains, massively cutting down the time needed for training.” (Naveen Joshi, forbes.com, 2019).
3. Artificial Super Intelligence. This is when AI surpasses humankind in intelligence. When this happens, artificial intelligence will begin to evolve at a rate that humankind will struggle to comprehend. This is often called the “singularity” and specifically refers to the point when the exponential growth of intelligence drawn against time as a line on a graph becomes vertical. Meaning a programs intelligence increases infinitely, irrelative of time (instantly).

Machine learning is more present in day-to-day life than most people expect. Whenever you scroll through Facebook, for example, a data mining program is paying attention to which posts you like, spend time on and how long, which advertisements you click on and a plethora of other information to do with your activity. The data is then fed into a machine learning program which analyses it to learn about how you react to certain content and what you are likely to spend your money on. This helps Facebook improve the quality of their advertising programs and therefore the amount of revenue they can generate from it. This is pretty common practice in social media companies and raises a host of ethical and legal problems.

In the case of Facebook, a company called Cambridge Analytica used data mining and machine learning programs to extract the personal information of not only the 300,000 users that accessed a link with in-built data-raking protocols, but also their friends, giving Cambridge Analytica the personal information of tens of millions of users without any of them ever opting in. According to Joel Rosenblatt (Bloomberg.com, 2019) in May 2019 Facebook was forced to pay $5 billion to a U.S. Federal trade commission over the investigation.

Another of the key issues with artificial intelligence is deciding who is responsible for legal breaches made by the program. It is arguable that a program with artificial intelligence capabilities is able to have agency over its own decisions and therefore responsible, especially as the cognitive ability of artificial intelligence edges closer to human capability. Others claim that the companies who develop the programs are responsible, much like a child and a guardian.

This is not the only ethical problem artificial intelligence faces though. According to harvardmagazine.com (Jonathan Shaw, 2019, havardmagazine.com), “AI systems can reinforce what they have learned from real-world data, even amplifying familiar risks, such as racial or gender bias”. In the military, drones are already being tested using artificial intelligence removing the human element of empathy, mercy and the ability to make situational choices, and raises possible human rights questions and even potential war-crimes.

Before long, machine learning will affect every faucet of life. The amount of funding and research being thrown at machine learning indicates that there is a large interest from industry and when industry wants to get something done, it doesn’t often fail.

Although all artificial intelligence programs sit under the ”Artificial Narrow Intelligence” umbrella, it is believed with confidence that we will achieve “Artificial General Intelligence” possibly within a few decades. At this stage computers will be able to interact with humans on an equivalent level and be able to “learn, perceive, understand, and function completely like a human being.” (Naveen Joshi, *forbes.com,* 2019). When this happens computers will likely be given rights and agency the same as a person, and we will interact with them as equals.

Eventually though, if we continue to develop artificial intelligence (which we likely will), computer programs will reach “Artificial Super Intelligence” level of cognition. When that happens, we will no longer be the most intelligent species on planet Earth and will be overtaken by a new type of intelligence – like a parent being overtaken by the next generation of their offspring. Like us and the chimpanzee.

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You can already clearly see the effects of machine learning programs in your personal life.

Whenever you interact with an advertisement on a social media website like Facebook or Instagram, it has in-built machine learning programs that analyse how long you spend on the ad, whether you put an item in your cart or navigated to a certain category, if you have bought items similar to it in the past and how your interests, search results and other information relates to the ad, among other information.

This is the process what allows targeted advertisement through millions of tiny data transactions every minute. That is why when you search for “how do I buy a new wallet” your feed is filled up by ads for wallets, or if you hover over a post for too long in regards to stand-up comedy, you see nothing but ads for stand-up comedy show tickets for weeks afterwards. Because of this, companies can target consumers based on their proven interests and maximise revenue generated from a marketing campaign. As of 2016 it is believed that global mobile advertising funding surpassed $100 billion for the year (Anastasiia Minak, *linkedin.com,* 2016), a number that would have grossly increased since then. Even if machine learning counts for a small portion of this funding, that is still an unbelievable amount of recourses, and translates to exorbitant profits.

Machine learning is only going to continue to become more and more prevalent in our every-day lives. As further development is put into “the Internet of Things” (IoT), it will begin to involve more and more artificial intelligence, meaning every time we use our household items that are connected to our Wi-Fi network, even the tv, toaster or microwave, we will be giving data to one, if not many, machine learning programs.

Eventually, when all of our possessions are connected to the internet and artificial intelligence becomes the dominant form of programming, it is likely our entire experience will be targeted towards us in some way or another. For example, you might walk down the street and advertisements in the windows of shops you pass may change what product they are advertising, or even the look of the ad itself, thanks to a giant database of information that thousands of artificial intelligence programs have compiled about your character over decades of interacting with technology. It is not unbelievable that the rooms in your house change colour, temperature or music depending on your mood at the time. In fact, that is already possible in a primitive form.

Artificial intelligence will eventually exist side-by-side with human intelligence and be given rights the same as us. One day, it may overtake us, and become something much greater than anything we can imagine today.

Either way, it is here to stay, and something we will all have to accept eventually.

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***Machine Learning***

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I am 16 and born in Australia. I enjoy playing video games, watching TV, going out with friends and using a range of software such as Unity to explore new ideas. I have always enjoyed using technology, whether it was creating my own retro arcades with a Raspberry Pi, to designing small games in Unity with my friends. Although I have never made a game with the intention sell or release, I have successfully produced multiple games to share with friends to play together over the course of the next week to see who can get the highest score. IT leaves almost no limits to creativity which is why I am passionate about pursuing a career in this field, specifically a game development however, it has also been my goal to work by myself or in a small team having fun through YouTube or making Indie ~~Titles~~ Games.