10/9/2021

Essential solutions

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Website information

**TEAM MEMBERS**

**Callum harper**

**Divy Pota**

**Jye Thomson**

**Neil Sheelin**

**Renee Thompson**

**Samuel Wellard**

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**PERSONAL PROFILES**

**Callum Harper**

**Student number** 3815868

Hello everyone, my names Callum harper, I am currently 20 years old with the mind of a child and often feel like I am in my 70s, I am also currently studying a Bachelor of Business and financial planning.

I live in reginal Victoria with my family, I have a twin brother Lyndon and a little brother Rhys, I would like to think of myself as a bit of a clown I love to joke around and make situations fun.

my hobbies are sports, gaming, music, and bodybuilding also cooking but more importantly eating said cooking so when I am not studying or gaming, I am usually working in the gym or playing guitar and working on my own music, my favourite type of music is pop punk, metal or 90s grunge/rock.

**Divy Pota**

**Student number** S3921363

My name is Divyanshu Pota, or Divy for short, aka s3921363. I grew up in Canberra with my parents and two younger sisters.

My dad is an academic in the field of electrical and mechanical engineering, and I was fortunate to be introduced to computers and programming in the mid-90s. I started learning simple HTML tags and some Visual Basic, and later JavaScript. In 2001, I came across a mind-blowing piece of software which could be installed on my computer at home and used to create electronic music. I quickly forgot about writing code and became obsessed with writing songs. After completing year 12 and two painfully unsuccessful years of Medical Science at ANU, I moved to Sydney to pursue music full time. The computer had changed the outcome of my life already. Out of all the skills which separate people in a hyper-competitive industry like song writing, having some basic knowledge of coding and the logic of talking to a computer probably helped me more than anything else. Like many other industries, music making has shifted to the digital realm, and is on the verge of incorporating exciting technologies like AI and ML. Having been using the first generation of music software for so many years, I would love to somehow be involved in creating the transition to the 2.0 version, and that’s why I’ve started the formal qualification for IT.

**Jye Thomson**

**Student number** S3922877

Jye Thomson I am Currently living and working in Western Sydney, I work full time as an Apple Authorized technician and study in the evenings. I enjoy working on my car, driving, collecting music, growing plants and fixing old Macs. My interests in IT include programming, building PCs, repairing computers and implementing IT solutions in the education sector (this ties in with my job).  My current IT experience is in PC building and Apple product repairs. I’ve built a few Windows based computers over the years, and I repair Apple products for a living. I also sell MacBooks, iPhones, Chromebooks and other related products to schools and students. I’m currently taking Intro to IT and Intro to Programming to further immerse myself in the industry. I’m excited to be part of the Essential Solutions team.

**Neil Sheelin**

**Student number** S3923582

My name’s Neil Sheelin. I completed a certificate III in cookery and a diploma in hospitality management at TAFE in 2008. Currently I work as a senior sous chef at a Sydney hotel. I enjoy a broad range of pastime including baking, snorkeling, snooker, and hydroponics.  I genuinely love to spend time diving into any computer related activities. Programming in particular is my main fascination. It allows me to make a computer do things the way I like. Whilst others use the program, I could make one. How awesome is that and it’s like everyone enjoyed a movie that was directed by me. Here I’d like to quote a remark from Dropbox founder Drew H., he said ‘It’s the closest thing we have to a superpower.’  I haven’t earned a cent through working in IT as I’m now still in a preliminary academic learning stage. However, I do have a good grasp on C++ language due to a course completion at a university I used to study at.

**Renee Thompson**

**Student number** S3925060

My name is Renee, I am from Melbourne, Australia. After completing Year 12 I studied further courses which were Certificate 3 in Early Childhood Education and Care, Certificate 3 & 4 in Dental Nursing and a Diploma of Nursing and I have worked as a nurse ever since. My interests include going to the gym or any form of exercise really, reading, drawing and designing products for a clothing brand I am making, socializing with my friends and family, traveling and photography.

My interest in IT started when I was very young, I have always been fascinated in technology and how it makes a huge impact in our lives. I currently have no background/experience in IT however I am studying this course as it is a dream of mine to become an IT professional and to be able to take part in the development of technology.

**Samuel Wellard**

**Student number** S3921205

I have always had an interest in IT. Whether it was playing PC games with my brother when I was at primary school, or wanting to understand how to connect my iPod and iPad to iTunes to download music, apps and videos. Figuring out how to navigate the different interfaces of a PC, iPod and iPad were fun and challenging yet ‘basic’. My experience with IT before 2019 had been very surface level.

What sparked me to want to have a deeper understanding of IT was the show Mr. Robot. While there is action away from laptops and PC’s, a lot of what matters and dictates the story is done through networking and the Command Line Interface. The show does a decent job at allowing people with no IT knowledge to know what’s happening in a broad narrative sense. I did feel lost at times when the characters were in front of their screens, which is what prompted me to study Cyber Security Certificate IV at Tafe in 2019. Within that course I was introduced to virtual machines, Splunk, networking and even wrote our own pentesting and IRTX project together in a group. As interesting and fun as the course was, I wouldn’t say it was enough to propel you straight into the workforce. That’s why I have decided to pursue further study at RMIT.

**Team profile**

The Essential Solutions team is made up of members with mostly varying but very compatible and useful personality types. We have auditory, visual and tactile learners. These different learning styles will provide differing perspectives on the same information which will greatly assist us when tackling tricky questions. We have leaders, ideas people and people with cohesive personality types that will greatly assist in keeping the team tightly knit, cooperative and productive.

Below are the summarized test results for each member’s selected personality/learning style tests and how I believe their results may assist the team:

Callum Harper: Callum’s test results show that they are a passionate, altruistic person with strong principles. As a visual learner with some creativity, they may bring some good design ideas to the group.

*Myers Briggs: INFJ-T (Advocate)| Learning Style: Visual | Creativity Test: Median creativity.*

Divy Pota: Divy’s test results suggest that they are an outgoing and creative type of person. Full of ideas, great at setting goals, outgoing, and a good listener, they are the campaigner within the group. Based on the testing outcomes, Divy will bring creativity, different perspectives and encouragement to the other members of the group.

*Myers Briggs: ENFT-P (Campaigner)| Learning Style: Auditory | Team Roles Test: Idea’s person, good goal setting, strong interpersonal skills.*

Jye Thomson: Jye’s results, they seem to indicate that he is a rational thinker and tends to analyze absolutely everything that he encounters, he learns best through visual mediums but likes to get involved and test things with his own hands. he is mildly introverted, but can have strong opinions and ideas on ways to approach things but is also able to keep an open mind. Jye’s Personality will bring a level head and level of detail to this team.

*Myers Briggs: INTJ-T (Turbulent Architect) | Learning Style: Visual | Big Five: Lower to mild extroversion, lower scoring on mental stability and agreeableness, higher conscientiousness and intellect/imagination scoring.*

Neil Sheelin: Neil’s test outcomes suggest that they are someone that can establish and follow social structures, this could make them a good candidate to lead or play a strong part in leading the group. They are a logical and rational person that learns equally through auditory and visual sources.

*Myers Briggs: ESTJ-T (Executive) | Learning Style: Auditory and Visual tied | Big Five: Lower scoring on extroversion and agreeableness, higher emotional stability, conscientiousness, and intellect/imagination scoring.*

Renee Thompson: Renee’s results indicate that they are a rational thinker with quick wit and a tendency to analyze everything. As a tactile learner they may be good at testing future programs or products and finding places for improvement. Their low neuroticism and high agreeableness scoring is a good indicator of a friendly person that will work well within the group.

*Myers Briggs: INTJ-A (Assertive Architect) | Learning Style: Tactile | Big Five: Lower scoring on neuroticism, higher scoring on extroversion, agreeableness and conscientiousness.*

Samuel Wellard: Samuel’s test results show that they have an analyzing mindset and will tackle problems with their inventive personality. The results indicate that they are a little introverted but very friendly after getting to know people. The tests also reveal that they learn well through reflecting on past experiences, maybe they will bring prior knowledge of team exercises that will assist coordinating the team.

*Myers Briggs: INTP-T (Logician) | Learning Style: Reflector, ponders on experiences. | Big Five: Lower scoring on extroversion, higher scoring on agreeableness and conscientiousness.*

**Personality types and what they mean**

Loosely based on the 16personalities site

Callum Harper: INFJ-T (Turbulent Advocate)

Creative, insightful, strong principles, passionate and altruistic. Diplomatic. Perfectionist, reluctant to open up. According to the 16personalities site.

Divy Pota: ENFT-P (Campaigner)

Outgoing and introspective. Impulsive. Encourage others to perform well. Thrives on creativity as opposed to a fixed path. According to the 16personalities site.

Jye Thomson: INTJ-T (Turbulent Architect)

Bold dreams but pessimistic. Believes that anything can be achieved through willpower, intelligence and knowledge. Self-esteem derived from those factors. Pride in mastering topics of interest. Questioning, prefer to make own discoveries. Breaks rules if it means finding a better way. Success driven. Independent streak. Contradictory personality type.’ According to the 16personalities site.

Neil Sheelin: ESTJ-T (Executive)

Logical, rational thinker, socially engaging, structuring, leading. High expectations of self and others. According to the 16personalities site.

Renee Thompson: INTJ-A (Assertive Architect)

Similar to INTJ-T but more confident in actions, less introverted. According to the 16personalities site.

Samuel Wellard: INTP-T (Logician)

Analytical, open minded, unique perspectives. Perfectionist, impatient, introverted. According to the 16personalities site.

**OUR IDEAL JOBS**

These are our ideal jobs presented in the table below

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Ideal Job** | **Responsibilities** | **Skills Required** |
| Jye Thomson | Java/Python Developer | Assume technical responsibility for all stages of the software development cycle.    Develop specifications and solutions with attention to system integration and data management.    Execute testing to improve the quality and reduce operational risk of the developed solution.    Provide ongoing operational support of developed solutions to reduce application defects and related incidents. | Outstanding communication and presentation abilities.    DevOps and AWS experience is highly regarded.    In-depth knowledge and experience with data modelling and database design of relational and NoSQL database systems.    Strong knowledge and practical development experience in Java and Spring frameworks.    Understanding of software quality assurance principles with experience implementing automated testing platforms. |
| Neil Sheelin | Cloud Engineer | Lead the design, development and delivery of technical platform solutions.    Drive cloud native technology adoption and automation practices.    Tasked with technical leadership and direction for organization’s Cloud Engineering.    Be able to bring together people in order to solve technical solutions. | Minimum 2 year in Azure applications.    Extensive experience with CI/CD code.    Understand network TCP/IP, DNS, STMP.    In depth understanding of network protocols, diagnosis, maintenance and debugging.    Coding experience and ability is fundamental. |
| Renee Thompson | Full Stack Developer | Maintain content management system (CMS).    Design and maintain the overall architecture of the website and platforms.    Maintain a healthy connection between the website and marketing platforms to ensure better performance of the website.    Monitor technical SEO performance daily using SEO tools.    Implement scalable development and deployment processes. | Strong UI/UX design skills.    Ability to create fully responsive UI.    Fluent written and verbal English.    High degree of independent judgement.    Understanding of version control using GIT. |
|  |  |  |  |
| Samuel Wellard | Software and Applications Programmer | Researching, consulting, analysing and evaluating system program needs.    Writing, updating and maintaining technical programs, end user documentation and operational procedures.    Identifying technology limitations and deficiencies in existing systems and associated processes, procedures and methods.    Testing, debugging, diagnosing and correcting errors and faults in an applications programming language within established testing protocols.    Providing advice, guidance and expertise in developing proposals and strategies for software design activities. | Writing computer programs.    Measuring how well a system is working and how to improve it.    Understanding needs and product requirements to create a design.    Figuring out how a system should work and how changes in conditions, operations, and the environment will affect it.    Being adaptable and coordinating work with other people. |
| Divy Pota | Software engineer | Looking at a system and understanding what programming needs to be done to achieve a particular goal or set of goals.    Analyzing faulty programming that has already been done to figure out what’s wrong and how to fix it.    Writing programs and code in accordance with accredited technical standards.    Providing advice on the financial implications of outcomes related to computer programming. | Programming.    Systems evaluation.    Systems analysis.    Judgement and decision making.    Complex problem solving. |
| Callum Harper | Economist | Creating financial and economic forecasts based on past and current models.    Analyzing large amounts of data and analyzing market trends to predict future events.    Create economic reports for officials and executives.    Help develop and maintain economic policy. | Normal requirements dictate a minimum of a bachelors or masters level degree.    Deep level of understanding of economics.    Great communication  Skills.    Be able to create reliable reports.    Capable of working with or without a team.    Exceptional design and presentation skills.    Understand micro and macro concepts. |

**Industry data**

|  |  |  |
| --- | --- | --- |
|  | Ideal Job | Job Statistics |
| Samuel Wellard | Software and Applications Programmer | * Weekly Pay: $2003 * Future Growth: Very Strong * Employment Size: 153,700 workers * Skill level: Very High * Full Time: 90% * Average Hours: 41hrs * Average Age: 37 * Gender Share: 83% Male, 17% Female |
| Renee Thompson | Full Stack Developer | * Weekly Pay: $2021 * Future Growth: Very Strong * Employment Size: 49,100 workers * Skill Level: Very High * Full Time: 92% * Average Hours 42 * Average Age: 38 * Gender Share: 92% Male, 8% Female |
| Neil Sheelin | Cloud Engineer | * Weekly Pay: $2279 * Future Growth: Very Strong * Employment Size: 13,100 * Skill Level: Very High * Full Time: 92% * Average Hours: 42 Hours * Average Age: 39 * Gender Share: 83% Male, 17% Female |
| Divy Pota | Software Engineer | * Weekly Pay: $2003 * Future Growth: Very Strong * Employment Size: 153,700 * Skill Level: Very High * Full Time: 90% * Average Hours: 41 Hours * Average Age: 37 * Gender Share: 83% Male, 17% Female |
| Jye Thomson | Software and Applications Programmer | * Weekly Pay: $2003 * Future Growth: Very Strong * Employment Size: 153,700 workers * Skill level: Very High * Full Time: 90% * Average Hours: 41hrs * Average Age: 37   · Gender Share: 83% Male, 17% Female |
| Callum Harper | Economist | • weekly pay unavailable          • future growth decline          • employment size 4,200          • skill level very high         • full time 84%         • average hours 44         • average age 37         • gender share 67% male 33% female |

**Add industry data here**