Project Mushroom

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Team Summary

As enthusiastic and disciplined individuals, we work cohesively as a team to produce high quality results for our client. Our tenure and expertise in the IT field is broad and exemplified by our diversity of skills in our team, and our ability to communicate with all stakeholders and clients involved in every project we acquire. With a range of skills, including developmental programming of both front end and back end, analysis skills such as elicitation and architecture modelling, we will be sure to provide you as our client with a professional, visually aesthetic, and practical solution.

Preferred Project Type

Web Development or Mobile Application Development.

Team Profile

Raj Rosello — Bachelor of Information Technology (Computer Science) Minoring in Network Security

Skills:

- Experience in programming languages (Python, C, C#, C++, HTML, CSS, JavaScript, PHP, MySQL, Java)

- Proficient with the back end programming development

- System programming

- Knowledge in networking (System architecture using Cisco systems)

Goals:

It will be a great opportunity to work in a real-life problem and use the skills I've gained from past subjects. This capstone project will show the skills I need to improve on, or skills that I am already using proficiently. Working in this capstone project will not only show/use the skills needed to be done, but also portray how I can discuss problems that will arise in the process. Through showing the determination and discipline to problem solve, I will show my willingness to work hard in order for the success of the capstone project.

My key strengths as said above, are programming languages that involves back end development, specifically proficient in C, Java and C#. It is one of my major goals to develop a full functional product in the project that I am about to partake.

One of my major interests (with exception to programming) is security. I believe security will become the most significant problem in upcoming years. It will be a great opportunity to enhance my skills by ensuring a well secured product by the end of this capstone unit. I would also welcome the possibility of further exploring more complex security measures, for example: cryptography.

Interests:

- Being active (basketball, volleyball, running, rock climbing, etc.)

- Casual games using the PC

- Singing, playing the guitar and piano.

- Travel around places

Aarond Dino — Bachelor of Science/Information Technology

Skills:

- Experience in programming languages (C, C++, C#, Python, Java, R.)

- Computational problem-solving (algorithms and data structures).

- Strong proficiency with with front end development and user interfaces.

- Hardware experience with computers, micro controllers (teensy) and raspberry pi.

Goals:

The capstone project will provide a chance to utilise all the different skills learnt, in the computer science degree, into real world practice. As of now, I have been undecided on the type of developer I would like to be, but this should bring about what I plan on doing after completion of my degree.

I would like to make the most of this one year project, and come out with a fully-functional technology, for all to see what me, and the rest of my team have learnt over this course. I am interested in working in major corporations, to be a developer or software engineer.

My key strengths are in creative design, and programming to solve problems in languages such as C++ or Python, but have learnt Java, C, and C# as well. My interest has been peaked by front end web development, user interface and computational problem-solving programming. I like a challenge with a very high reward upon completion, and these areas give that sense of pride.

Given the opportunity, it would be also interesting to have a chance at programming some larger scale hardware such as robotics, or a chance at app development in the rising industry.

Interests:

- Past-time browsing reddit.

- Occasional gaming on the pc and Nintendo switch.

- Maintaining physical activities such as the gym.

- Listening to pop/dance music.

- Research Assistant in nanotechnology and molecular sciences.

Alice McKellar — Bachelor of Science/Information Technology (Physics & Computer Science)

Skills:

- Writing Code in various programming languages (including Python, HTML, C, C++, C#, R, MATLAB and Java)

- Web development and maintaining servers (SQL)

- Coding for hardware (such as micro controllers)

- Analysing algorithms and complexity

- Building network infrastructure

Goals:

The capstone project is a great opportunity to give me a taste of what being an IT professional is like. As well as to show that I am capable of handling larger projects. I hope gain some connections with professionals to hopefully further my career.

If given this opportunity, I will prove that I am a hard working person, who likes to create the best product possible, given the constraints. I will add value to the team with my skills in computer software development and my background knowledge in physics. I will ensure that the team stays on track and will work as a well oiled machine.

My main strengths are listed above, but the one I feel most confident in is programming with java. I feel most passionate about the back-end designs and having a highly functional product with minimal glitches or bugs. However, I would welcome the possibility of designing software that involves science.

Interests:

- Marine Biology

- Keeping Chickens and Fish

- Playing Video Games

- Aerospace Engineering

James Shafton — Bachelor of Information Technology (Information Systems) Minoring in Engineering and Human Resources

Skills:

- Business Analysis

- Business Process Modelling

- Modelling Information Systems

- Identifying Enterprise Architecture

- Management (HR)

Goals:

The capstone project which my team and I are completing is an amazing opportunity to use the skills I have learnt in the real world, and apply them in an industry context. This will aid my professional development and will allow me to expand my horizons, especially around the areas of project work.

If successful in this application, I will ensure that teamwork is front of mind while completing required tasks and activities, and will be open to feedback from my team and our client. I will ensure that my contributions are of high quality, and that all team members contributions are valued and are taken into account when making decisions on the project.

My strengths for this project are centred around the business side of IT, including Business Analysis, identifying Enterprise Architecture, Modelling Information Systems with applications such as Business Process Modelling Notation and Unified Modelling Language. I also possess skills relating to the unix command line and OS, and have completed a few semesters of Computer Science, and understand the basic fundamentals of programming, specifically in C# and Swift.

Overall, I believe this project will be an excellent opportunity for me to grow and develop my knowledge, and develop my professional management skills.

Interests:

I am a session musician, play multiple instruments, and play with multiple bands, around Brisbane and Sydney.

I also love my family and highly value the time spent with them, and often travel to Melbourne to visit on a frequent basis.