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I am applying for the Cyber Resilience Intern position at The Star Entertainment Group.

I am a team focused, outgoing second year Data Engineering and Cyber Security student at the University of Technology Sydney, with an interest in technology and information networks. I believe that I would be a great addition to your team due to my strong technical skills and desire to learn more about emerging technologies. I would appreciate this opportunity to move into the Information Technology sector as I have always had a passion for computers and how they can be used to benefit individuals and businesses. I also have a particular interest in cyber security which is why I picked my particular course at UTS.

I enjoy solving problems and find a great sense of pride and accomplishment when the pieces of a puzzle fall into place, which is one of the main reasons I decided to pursue engineering as a degree. I have been selected by one of the professors teaching my course to become a Research Engineer working with him and three others in the development of a patent application. I am assisting in the development of software defined radios using Python, and programming tools such as GnuRadio. Much of this work is self-directed, researching possible technologies, testing those technologies and then reporting back to the supervising professor as to which technologies were the most viable.

In a recent subject based project I helped develop an Internet of Things system to capture data about occupancy of offices throughout UTS. I worked with OpenCV in Python, an image processing library allowing for basic machine vision techniques. Multiple different image manipulation techniques were used to obfuscate any identifying information, then machine vision processing occurred to capture occupancy information. The Engineering Faculty's HR department have shown an interest in trialling the use of this technology at UTS for office resource placement.

I have worked successfully in many different team environments, such as the Engineers Without Borders Cambodian Rural Development Team project that I undertook at UTS. In this project our team did not meet frequently in person, but instead used technology to help ensure that we stayed on task. Our project was so successful that it was selected to represent UTS in the Australia wide humanitarian engineering project. I am also used to working in a fast paced and extremely dynamic team, such as at Big W, where tasks and team members would change multiple times per day depending on what was most important at any one time.

Working in teams has developed my communication and organisational skills. In recognition of this I have been selected by the faculty to be an Engineering Student Promotions Representative at UTS.

I have attached my resume, and look forward to hearing from you.

Regards,

Daniel Osmond

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