

Dear Sir or Madam,

I found your advertisement for the Industrus Graduate Engineer program, and I believe my recent engineering experience has positioned me to gain the most out of what you offer.

I am currently a Mechatronics Engineering student in my penultimate year of study at UTS and I recently undertook a professional experience program for 3 months working with Evie Networks – developing software and energy solutions for electric vehicle charger operations. Through this experience and reflection, I strongly believe I gained the requisite tools to best utilise the program you are offering. Please find my response to the selection criteria below.

(3.1) A commitment to ethical conduct and the highest standards of professional accountability.

One of my first tasks during my experience with Evie Networks was to validate energy bills and make sure that the amount we were paying was not too high. One day when I was going through the bills, I found that we had been undercharged for one of our sites. As it was common that we were overcharged I had already learnt the procedure for dealing with bills where we had paid too much, but I hadn't yet any experience with bills where we paid too little. I reached out to my supervisor to let him know of the issue and he thanked me for pointing it out and gave me the contact details for the energy company support. I was later able to get it resolved and the company was able to make up for the total amount of the bill. I believe that this was the right decision as it helped our company maintain a good image and reputation with our suppliers and partners.

(3.2) Demonstrated ability to effectively communicate both with other engineers and with stakeholders from different fields.

2 months into my experience as an Energy Solutions Engineer, I was tasked with presenting and justifying a model which estimated energy costs to the company CEO and CFO. When my supervisor first came to me and suggested that I do the presentation, I was incredibly nervous. However, I found that through preparation and a practice presentation with my peers I was able to overcome these nerves. I was then able to successfully present the work I had done on the model, and afterwards my supervisor commended by ability to communicate the complicated technical details with a non-technical audience.

(3.3) The ability to engage with a creative, innovative, and proactive environment.

One of my larger responsibilities while working in the energy solutions part of the business was to conduct a monthly report on energy costs and the cost of goods sold. When I first started, this process took almost two full days of gathering data from different sections of the business and collating it into one central spreadsheet. I reached out to my supervisor and suggested that we automate this task as it would save hours every month in reporting and gathering. He agreed, so I was able to go off and develop a piece of custom software to generate the report and gather data. While it took about a week to develop this, I was then able to generate the report in a matter of minutes. This process is still being used to this day and I believe it has saved hours of time.

(3.4) Demonstrated the ability to use and manage information.

As part of the monthly reporting process, I was required to keep a spreadsheet of currently live sites and their energy meter numbers and providers. As Evie Networks operates company wide, there is a significant amount of data which is needed, and it is not always located in the same place. During the time that I was responsible for reporting, we had doubled the number of sites we had, and it was no longer feasible to store all this data in a single excel spreadsheet. I reached out to the technology

team, and in collaboration with them I was able to create a database which links data from across the business and this was able to act as a single source of truth for all the companies reporting.

(3.5) The ability to manage your own performance in a professional environment.

After my experience in the energy solutions business, I was able to gain a full-time role in the software team within Evie. When I joined the software team, there was a lot going on. The rest of the software team was tied up with trying to fix an existing software integration and I found myself without a specified task. During this time, I was able to reach out to another junior developer who helped me get setup with the required development environments and he pointed me towards our Jira board which had a backlog of required tasks. I then spent the next few days working through some of these tasks, at the end of which gave me a lot greater understanding of how the existing software stack worked.

(3.6) Demonstrated ability to work as part of a team and to show leadership when required.

One of my responsibilities as part of the software team was maintaining our data warehouse solution. This data warehouse was used by business analysts across all sections of the company and as it was a new tool, not everyone had a great understanding of how it worked. As I was the technology owner of this tool, I felt the responsibility to help the wider team learn it. With the help of my supervisor, I was able to help organise a day where all the users of this tool came into the office, and I lead a session running everyone through the tool.

If you would like to reach out to me further, please call me on 0468313453.

I look forward to hearing from you.

Regards,

Jeremy Olliffe