Dear Yun Ling,

With an engineering background and work for oil and energy industrial for years, I realized that there are a lot of data available either generated by computer modeling, lab experiments or other sources. However, the big amount of data has not improved the industrial production significantly compare to the conventional methodologies. With the self-taught python coding and statistic analysis and machine package learned from Thinkful, it really makes me realized how data could change people’s life and how powerful it is. I am excited to apply for the open position of Jr. Data Scientist - Technology Associate Program with Chubb. This role sounds perfect for me as I would be able to combine my skills in machine learning and programming. With my background in statistics and machine learning, I would love to use my skills to communicate effectively with team members and provide insights and solutions for technical and business problems

While working for an engineering company, Encina, I worked on several projects involving statistical analysis, model estimation and lead research activities. Generating insights connecting model results with design and business problems and objectives.

By finishing the THINKFUL data science training, I have shaped my stills in advanced statistics, data analysis, visualization, and machine learning techniques. Also Pursued more advanced topics such as Deep Learning with Keras and TensorFlow, CNN, RNN, NLP. Independently completed Capstone project which predicting the credit fraud based on customers information. With exploring different machine learning techniques: Kmean, Hierarchical, Gaussian mixture models and dimension reduction methods, the calculation produced a 90% accuracy.

I believe my experience would help to resolve operational challenges and engineer solutions to decrease issues in the future. My education and experience in technology and engineering give me a unique approach to your data science open position

Thank you for your consideration. I’m excited to utilize my experience in statistic and programming along with my passion for exploring and optimizing machine learning algorithms to contribute to the Technology Associate Program at Chubb. I look forward to speaking with you and presenting my work.