***Why do you want to study your chosen major specifically at Georgia Tech?***

Having grown up in Brunei, a country powered by petroleum, helped me understand the importance of engineers to create a flourishing country. However, when I grew older, I revisited the country, and saw firsthand how empty the country was after the downfall of petroleum. At this point, I knew that it was time for the rise of sustainable energy. Pursuing electrical engineering at Georgia Tech would enable me to reinforce my passion and broaden my horizons in the energy sector by specialising in electrical energy.

I had been researching the benefits of smart grid technology on the sustainability of the power grid, and would be able to continue this interest at Georgia Tech. One particular example would be Dr Bara Cola’s research on developing an optical rectenna which could be twice as efficient as the broadband. This would have a significant impact on heat flow in the energy sector, and thus be important for sustainability use. By exploring the feasibility of potentially using this in the smart grid, I believe power grids could not only become more sustainable, but more efficient and thus less costly.

My passion for engineering is not limited to aspects of research and innovations. The global engineering leadership minor would enable me to further hone not only my leadership and communicating skills, but also my problem-solving skills which are vital to strengthen my commitments on sustainability. Studying at the heart of Atlanta would undoubtedly enable me to build connections which could align with Atlanta’s ambitious plan to use 100% green energy by 2035, a remarkable thing to be a part of.