1. Why do you want to study your chosen major at Georgia Tech, and what opportunities at Georgia Tech will prepare you in that field after graduation? (max. 300 words) Word Count: 343

On Whatsapp, I watched a video clip showing an electronic chess board lighting up the possible moves a chess piece could do when pressed down to the board. It was my high school pal’s engineering project showcased at Georgia Tech’s Senior Design and the Capstone Expo. As establishing products with low-energy-consumption being my lifelong goal as an engineer, I was immediately hooked with the hands-on opportunities offered by Georgia Tech’s electrical engineering department which provoked my yearning to specialize in electrical energy.

Talking to my friend at Georgia Tech about his experience and researching the school’s curriculum, I strongly believe that Georgia Tech is the best institution to continue pursuing my lifelong goal in the field of electrical engineering’s field. The university provides an expansive environment through its focus in active research, development projects, and industry networking.

At Georgia Tech, I eagerly plan to partake in courses like ECE 4320’s Power System Analysis & Control and ECE 3072’s Electrical Energy Systems. These courses will cultivate my skills in developing automation systems as a replacement to industrial machineries that rely on massive energy consumption. I aim to engage with The Hive to transform my classroom knowledge into reality by using IDC building’s high-tech equipment to innovate engineering projects. I also hope to collaborate with Professor Deepakraj Divan in innovating cheaper and energy-saving advanced industrial applications and technologies, while applying my programming and circuitry analytic skills that I have developed through the various robotics projects at Shoreline. Leveraging Georgia Tech’s network and its industry sponsors program, I aim to work at both start-up and established companies such as Georgia Pacific and National Instruments. Working with these companies, I could innovate unique electronic appliances or systems and promote low energy consumption on their products. I plan to utilize these opportunities provided by Georgia Tech’s engineering faculty to fulfill my career goal in saving the future of our world through generating low-energy-consumption products.

Georgia Tech is not just any university; it is a bridge between my studies and professional engineering. At Georgia Tech, all opportunities are within reach.