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: 291

The workshop held by Pelita Harapan University introduced me to electrical engineering. The workshop began as the dean presented a chart depicting daily energy consumption in Indonesia. Smartphone-, television-, and electronic device-use dominated the chart. I felt worried about the potential loss of energy resources but motivated to use my engineering skills to address the problem. Now, I have the desire to promote automation to reduce the high energy consumption of machinery and appliances.

When I expressed my interest to a friend attending Georgia Tech, he showed me a video of his capstone project. The project detailed a low-energy-consuming electronic chess board lighting up the possible moves a chess piece could do. I was immediately hooked, and after learning about the hands-on opportunities offered by Georgia Tech’s electrical engineering department, I knew Georgia Tech was the ideal institution to specialize in electrical energy.

While attending Georgia Tech, I plan to partake in courses like ECE 4320 Power System Analysis & Control and ECE 3072 Electrical Energy Systems. I will develop my skills in automation systems in these courses. I aim to engage with The Hive to transform my classroom knowledge into reality by using the IDC building’s equipment and working on innovative engineering projects. I also hope to collaborate with Professor Deepakraj Divan on cost-and-energy-saving applications and technology while applying my programming and circuitry analytical skills. Leveraging Georgia Tech’s network, I aim to work at start-up and established companies such as Georgia Pacific and National Instruments. I plan to utilize these opportunities to fulfill my career goal in saving the future of our world with 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.