**Why do you want to study your chosen major specifically at Georgia Tech? (300 words)**

I had recently managed to lead a team of 4 other peers throughout my participation in the International Science and Innovation Fair. Upon the recollection of a visit to a disabled orphanage and familiarity with the Arduino system, we developed an invention catered to the visually impaired: a pair of glasses that utilizes ultrasonic technology to detect surrounding obstacles. I successfully applied my knowledge of coding to address a difficulty associated with the medical abnormality. Awarded with a gold medal, it was proven as a step forward in providing a degree of independence for a community in need through the vast world of technological innovation.

This experience ultimately fueled my interest in pursuing biomedical engineering at Georgia Tech’s Wallace H. Coulter Department of Biomedical Engineering. Exceptionally ranked amongst other institutions, it will provide me with much-needed opportunities to strengthen my mastery and preparation for a career in the healthcare industry. Evidently, Tech is equipped with advanced research facilities, and most of all, highly qualified staff and faculty.

I am particularly excited to work with Professor C. Ross Ethier who is experienced in applying biomechanics and regenerative medicine to treat osteoarthritis—a disease experienced by my own mother. Seeing first hand the long-term outcome of mesenchymal stem cell (MSC) therapy, I wish to delve deeper into this area of research through collaborating with researchers in the Ethier Lab. Moreover, my profound interest in medicine leaves a curiosity to explore treatment options of other diseases, specifically with the use of mechanical-based strategies to target tissues and cells.

From the Freshman Cake Race to sharing the longstanding George P. Burdell inside joke, not only is Georgia Tech the ideal school to guide my passion in biomedical engineering, but its welcoming atmosphere makes it an honor to someday be part of the community.