Ultimately in the future, I would like to become a professor of electrical engineering. However, before I get there I have quite a few ambitions for my career. To start with, I am currently in my undergraduate program double majoring in electrical engineering and computational mathematical sciences. During undergrad, I have been working with a research group to gain experience in how research works and to prepare me better for graduate school and fellowship applications. I plan to attend graduate school for a direct Ph.D. program for electrical engineering focusing in electromagnetics as it applies to electric vehicle design. This Ph.D. program will take approximately 4 years by my best estimate, which puts me receiving my Ph.D. in 6 years.

As soon I have completed my graduate school, I will start my career in industry. I would like to work with companies that are pushing the boundaries of technology in the field of electric vehicles, as I know that electric vehicles are ultimately the way the automotive industry is headed and I would like to be help be on the forefront of that transition. Tesla is one possibility, but others include General Motors, Volvo, or this company I recently found out about called Faraday Future. Faraday Future is a particularly exciting option, as if they are still around in 6 years when I complete my graduate studies, I have no doubt they will be successful. Right now, they are just a small startup company that has yet to prove itself, so I am not sure whether they will still be there, but I am definitely keeping an eye on their progress in this exciting and innovative field.

I plan to remain in industry from approximately 20 years, which I believe will be enough time to make a noticeable difference in the field, and plenty of time to save up significantly in preparation for my next phase in life. Following my time in industry, I would really like to return to university for the purposes of helping teach the next generation of engineers. I have been working as a tutor for the past year and a half, and I have realized that I really do have a passion for teaching. Given my breadth of knowledge from mathematics to electrical engineering, I would be flexible and able to take any position between the two fields that are open. Ideally, I would like to teach electromagnetics courses, as I feel a lot of people are resentful about those classes because they are difficult concepts and many feel the professors don’t care about the students’ understanding. I met someone recently who said they wanted to fix the things they saw wrong when completing their education, and that really resonated with my own desire. I would like to offer more support for the women in the engineering and mathematics fields, and make sure that I am available and encouraging for all students interested in reaching out to me.