Farrell

*✅* **NU - While other parts of your application give us a sense of who you are, we are also excited to hear more about how you see yourself engaging with the larger Northwestern community. In 300 words or less, help us understand how you might engage specific resources, opportunities, and/or communities here. We are curious about what these specifics are, as well as how they may enrich your time at Northwestern and beyond. (294/300 words)**

I first realized the capacity of Statistics for technological change after stumbling on a YouTube video on data-driven decisions in robots. From this video, I realized how much of my daily life was improved by Statistics, from my automated roomba to my email’s spam filter. With my work in promoting educational equity through e-library development and my family experience in the Lombok earthquake, such exploration gave me epiphany on Statistics as a key tool to address educational barriers and anticipate natural disasters in Indonesia. I decided to pursue Statistics at NU which I believe will facilitate me to enact social changes and solve urgent world problems.

I hope to involve myself in undergraduate research offered by your department of Statistics and Data Science, obtaining new statistical knowledge and skills essential in helping my community back home. I enjoyed finding solutions to employee resignations using statistical survival models in my IB Internal Assessment and hope to continue this under the mentorship of Dr Martin Tanner whose work combines two mutually exclusive yet crucial survival models. The multipurpose model his research focuses on provides an evaluative framework for me to conduct predictive data analytics for Indonesian earthquakes more effectively.

NU’s academic offerings, such as Statistics 390-0’s collaborative “data science project” for a real-world stakeholder, provide me with opportunities to utilize Statistics in improving inclusivity in the education field. I noticed that many Indonesian elementary schools have not digitalized their learning environments yet. As a result, students lack the exposure to utilize available computers as a source of knowledge. Seeing those students’ enthusiasm when they read e-books from my self-programmed e-library inspires me to continue this effort through EWB-NU. Here, I will roll up my sleeves to work on solving communal problems, including education, expand my network, and enhance my interdisciplinary problem-solving skills.

[need help with closing sentence something like this:    
The vast opportunities I find at UM cannot be understated, as I see myself become not just a dynamic learner but also a leader in the UM community. Indeed, it would be a great honor to waddle across the Michigan league fountain and call myself a wolverine.]