I am graduating from my current program and am motivated to progress to the next step of my professional career. I want to thrive in an environment that can cultivate my natural curiosity for data science and aim to advance my quantitative skillset as a bioinformatician. Ideally, I would also like to develop vital communication skills by working alongside professionals from scientific and non-scientific backgrounds.

I study the effects of cellular stress conditions on gene expression in fission yeast at Wake Forest School of Medicine. In addition to developing and implementing statistical methods for analyzing transcriptomic data, my research interests include population genetics, genomic admixture mapping, and novel statistical approaches to uncover rare genomic variants. While contributing to the study design and statistical analysis of NGS and social science working groups, I have attained fellowship and seed funding grants for principal investigators in both of these fields.

Before pursuing my MS degree in the Molecular and Genomics Department at Wake Forest School of Medicine, I obtained my BS in Biology from the University of North Texas, where I researched inbreeding depression of a critically endangered bird (Attwater's Prairie Chicken) using molecular markers under Dr. Jeff Johnson and Dr. Susan Hammerly. I later graduated with an MPH degree with a concentration in Biostatistics and Epidemiology from Washington University in St. Louis. While there, I worked under Dr. Cassandra Arroyo in a Social Epidemiology lab. My research included analyzing and disseminating safety information regarding St. Louis City playgrounds to local neighborhood associations and later collecting and analyzing nationally crowdsourced data regarding fatal encounters of private citizens with police officers.

As far as my future steps are concerned, I would love to continue researching genomics or biostatistics and continue to develop bioinformatic and statistical pipelines used in innovative pharmaceutical research and development that can benefit human health. believe I am qualified for bioinformatics or biostatistician positions due to my strong programming/quantitative analysis skillset and my ability to work collaboratively in a fast-paced environment. My references can attest to the several years I've spent developing my quantitative and soft skillsets and welcome the opportunity to work for creative and intelligent teams, where I know I would be a great fit.