**Personal Statement for M.S. of Computational Life Sciences**

We live in an unprecedented era where advancements in data science are reshaping the landscape of computational life sciences. My journey began with a fascination for how data can be used to unlock answers to some of the most complex challenges. Through my studies in data science, as well as personal projects, I have developed key skills in statistical analysis, machine learning, Python, SQL, and full-stack web development — each of which has equipped me to analyze and model complex data sets. What truly drives me is applying these skills to create solutions that can transform healthcare, especially in the realm of personalized medicine.

My ultimate goal is to reach a place where I can impact generative and computational models that assist in breakthrough research and help to advance global health initiatives. I envision a future where data-driven technologies play a pivotal role in refining treatments and provide actionable insights into diseases at a molecular level. I'm particularly excited about the potential of AI models that can analyze patient-specific genetic and clinical data to predict treatment responses, which could pave the way for new personalized treatments that improve outcomes for patients.

Pursuing a 4+1 MS in computational life sciences will allow me to deepen my understanding of bio-informatics and biological data analytics. I am eager to contribute to projects that push the boundaries of what we know about human health, and I believe that this degree will enable me to play a role that can change lives. My career started in healthcare, and my passions are within technology, so this is a perfect marrying of two — I want to change people’s lives for the better in any way I can.

My experience working on data-driven projects has deepened my appreciation for the real-world impact of computational models. I’ve learned the importance of approaching challenges with creativity and a problem-solving mindset, often drawing from a wide range of skills to tackle complex issues. This work has reinforced my commitment to creating solutions that are not only effective but also accessible and user-centered. I’m passionate about using technology to create tools that make a difference in people’s lives, ensuring that advances in computational models translate into tangible improvements in health for everyone.

In conclusion, I want to contribute to a future where data science, AI, and computational models are central to aiding researchers and unlocking the next generation of healthcare innovations. This program will help me build the expertise and experience I need to turn this vision into reality.