Elevator Pitch

I am currently working as a research scientist for a New York City based bioinformatics start-up company called GeneCentrix. At GeneCentrix, I have been very fortunate to have the opportunity to work on many different projects spanning over a diverse set of computational disciplines. My primary responsibility is to lead efforts on peptide ligand discovery on a pharmaceutical repositioning contract with AbbVie. This process requires the combining of concepts from quantum chemistry and biophysics, with computational methodologies.

Secondary pursuit’s I have at GeneCentrix are in software development, and data science. The current project I am working on in software development is to implement an artificial intelligence based drug-target affinity prediction model into our companies drug profiling software—HistoReceptomics. I am currently writing a research paper to determine the leading drug-target affinity AI models in recent publications. The goal of this paper is to independently determine which model performs the best on external data sets and reveal insights into the tradeoffs between different systems available. Insights we will take advantage of when implementing our own system.

I am actively seeking new positions that allow me to further explore the realm of artificial intelligence and data science.