Research Description:
I work at the Naval Research Lab in the Geospatial Science and Technology branch. I am also enrolled at the University of New Orleans working on a Master's in Computer Science and subsequently a PhD in Engineering and Applied Sciences. Currently my research is focused on applying machine-learning techniques to interpolate bathymetry data using classification with various interpolation methods, supervised by Dr Hoque. Bathymetric data varies in density, collection, resolution etc... Therefore becoming difficult to apply a single "best" interpolation algorithm. The goal is to determine the best interpolation algorithm for a given area of interest using classification.