CS 3020: December 9, 2014

Speaker: Miriah Meyers

Title: Visualizing data: Why an (interactive) picture is worth a 1000 numbers

Abstract:

One of the most striking and unique aspects about this moment in human history is the amount of data we are generating. This data holds the promise of unlocking the mysteries of the universe, untangling complex natural and man-made systems, and allowing us to live longer, healthier, and more productive lives. But generating data is only the first step --- developing methods to make sense of vast collections of information is now widely considered the major challenge. A key component of addressing this challenge is visualization, which supports sense-making by representing data as pictures and supporting exploration through human-computer interactions. This talk discusses how we design interactive visualizations and how scientists use these tools to glean insight from complex data.