

1125-97-2518 **Alicia Prieto Langarica*** (aprietolangarica@ysu.edu). *Undergraduate Research for Non Academic Careers.*

Students not seeking academic job or even planning on going to graduates school often are not exposed to research. Even when they are, many times is hard to make the connection of how this research experience can translate to their industry. In this talk I will discuss a few problems I have worked on with undergraduate students who either have a second major outside of mathematics or who are seeking to get a job outside academia right out of their undergraduate degree. Although specific examples of problems will be used, we will only briefly talk about the solutions to the problems. Instead, the talk will focus on how to come up with the problems as well as the modeling approach needed to address the problems and how to tailor the experience for a job outside academia. (Received September 20, 2016)