Describe your overall duties/responsibilities as a Systems Analysis Engineer:

In my current role, I am responsible for creating, calibrating, and using engine and powertrain system models to perform system level analysis. I am asked to provide, through simulation, results such as hardware recommendations, how environmental changes impact powertrain performance, and predict outputs such as fuel efficiency over a drive cycle. A secondary part of my job is to perform analysis on current product operation during field tests to help catch and solve potential issues during the product validation process.

What advice would you give to students who are considering majoring in Mechanical Engineering?

Mechanical Engineering is such a broad field that it is important to identify a specific section which you are most passionate in and focus your efforts there. There are many ways to go about that. I would highly recommend getting involved with an engineering student organization. I was involved with the Formula Buckeyes team during my time at Ohio State. The knowledge I gained there allowed me to meet people, identify what I wanted to do in my career, and gave me the real engineering experience that I credit with most of the opportunities I have gotten in industry so far. And there are so many student organizations at OSU that there really is something for everyone. You attend the greatest university in the world so take advantage of all there is to offer!