Describe your overall duties/responsibilities as a Systems Engineer:

Systems Engineering is a broad field focusing on the design and integration of various systems. Boeing Systems Engineers work with customers, internal teams, and suppliers to design products. In order to do this, I perform analysis of the trade space to find the optimal configuration for all stakeholders while meeting the overarching requirements. After the design is optimized, I focus on how to incorporate the subsystem into Boeing products.

Explain the skills/abilities that are required for being successful in your role:

The role utilizes a lot of interpersonal skills. Optimization requires give and take from teams and naturally everyone wants the best for their team. As a Systems Engineer, one must be able to get each team to see the bigger picture and understand how compromises can improve the overall product.

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

Obtain diverse engineering experiences. Aerodynamics plays a role in airplanes, cars, wind turbines, and more. By developing an understanding of other fields of Engineering, you will be more knowledgeable on how to apply your aerospace knowledge to solve problems.