Describe your overall duties/responsibilities as a Water Engineer:

My job as a Water Engineer, specializing in hydraulic modelling, is to find the most efficient solution using hydraulic and hydrology computer models. I work on projects related to water collection system, which includes waste and storm water, for the local and state water utilities. I provide technical input on design construction and alternative engineering solutions for water/wastewater modeling and planning projects.

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

The majority of industry is heading toward the digital era. A lot of the traditional methods are going to transition to digital so make sure you have some computer skills under your belt. Aim to complete at least one internship and subscribe to business news so that you have an understanding of which direction the industry is headed to in the future. Lastly, do not be shy to network with alumni. Trust me, knowing someone in the industry can greatly help you during job hunt.

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

It is crucial to have a strong background in computer programming and mathematics. You must be prepared to do a lot of self-learning and be efficient at the same time. The first few years might be tough because of the learning curve so patience and tenacity are some of the important skills to possess.