Monica Chan

B.S. in Chemical Engineering (2018)
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Describe your overall duties/ responsibilities as a Digital Solution Consultant:

I lead clients in applying industrial automation, advanced process control, and optimization technologies to their manufacturing processes. My team works across several process industries including mining, chemicals, food & beverage, and wood products. I help my customers understand their manufacturing challenges, apply digital technologies to solve their challenges, and translate these solutions into measurable value. This entails early sales support, evaluating technical feasibility, and supporting our delivery team with implementing the solution.

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

I work with everyone including process engineers, quality, operators, IT, and site/ corporate leadership. It is critical to my role to be able to communicate across all levels of an organization. Because of this, I am constantly having to pivot my communication style to communicate with technical and non-technical audiences. I am also applying my chemical engineering knowledge daily in understanding separations processes, reaction kinetics, thermodynamics principles, and reading P&ID diagrams.

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

You can learn so much from people in industry just by saying, "I'd love to learn about your role. Can you tell me more?" Chemical engineering opens so many doors including working in manufacturing or R&D to consulting, just to name a few. Network as much as you can and take advantage of ECS, career fairs, and info sessions.