

Elizabeth Gentry, PhD

Current position and company. Since 2013, Elizabeth Gentry is the CHRISTUS Health Program Manager of Data Science. She has also been an Online Lecturer for the Industrial Engineering department at the University of Louisville since 2014.

Education. She received her Doctorate in 2013, Master's Degree in 2009, and Bachelor's Degree in 2008 from the University of Louisville in Industrial Engineering.

Why engineering? Elizabeth studied industrial engineering in college because of her love for math and making processes better. Being able to apply engineering skills to the healthcare industry is a passion.

Introduction to healthcare at an early age. She started volunteering at Kosair Children's Hospital during grade school and loves that now as an engineer; she is still able to help patients through engineering methods by improving processes.

Day to day approach. For CHRISTUS Health, Elizabeth analyzes data using a variety of statistical methods to find answers to what is significantly impacting processes to improve outcomes.

Teaching at her alma mater. For the University of Louisville, she teaches Decision Analysis and Statistics II to graduate students in the online environment.

Connecting with SHS and involvement in conference. Elizabeth has been a SHS member since 2009. Her first Society for Health Systems Conference was in Orlando, Florida in 2011. She presented work on a project she had done at

Kosair Children's Hospital on hospital emergency room patient throughput. In 2015, her work on optimizing location and quality of hospital KRONOS time clock terminals at CHRISTUS Health was presented at the conference.

Why SHS? Elizabeth loves SHS for the learning and networking throughout the year with the conference, webinars, and group calls.

Young Professional Committee. Her favorite part of being a member of SHS is being able to be chair for the Young Professionals Committee. It is a great group that has a lot of ideas for the future to help young professionals thrive.

Staying involved. Along with SHS, Elizabeth is also involved in IIE, with a leadership position in the young professionals group, as well as being a member of the Society of Women Engineers.

Improving care for patients. Healthcare is a passion of Elizabeth's because of helping patients and their families when they are ill. She loves being able to use math to help improve processes.

Free Time. When Elizabeth is not working on statistics of healthcare data and teaching engineering online, she is running half marathons, watching basketball or baseball games, planning a Disney trip, shopping, or just hanging out with friends.



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