

# Cazzy Hein

Mechanical Engineer

Engineering Innovation Factory



**Cazzy Hein** is a Mechanical Engineer for SAIC's Engineering Innovation Factory, supporting design and development within the integrated digital thread. She plays a role in developing and providing tools for teams to execute their design process. Cazzy is currently aiding in the deployment of Aras Innovator as a new product lifecycle management tool as well as deploying and aiding in the development of Aras Innovator connectors for SolidWorks, Creo and SAIC's Integrated Manufacturing Toolkit. She has also played a large role in the electrical design, cable fabrication and 3D printing of the Tri-El 2.0 demonstration prototype for the Innovation Factory.

Cazzy started her career as a design engineer, providing custom mechanical and electrical design solutions and conducting finite element analyses. She then moved into the production environment as a lead continuous improvement engineer, serving as the engineering support for a 40,000 square foot production floor. To aid in production, she designed and built custom jigs and dynamic tools, deployed Root Cause Analysis, and developed build processes for every component going through the machine shop.

Cazzy earned her BS in Mechanical Engineering from The Citadel. She is currently working on her MS in Mechanical Engineering with an emphasis on manufacturing and materials through The Citadel and Clemson University. Cazzy is also working towards her AAS in Machine Tool Technology as she enjoys machining and understands the importance of knowing how to produce what she designs.

Born and raised in Summerville, South Carolina, Cazzy still resides in the Charleston area. In her spare time, she competes in eventing with her horse and enjoys playing the piano.

"In the future, I hope to see engineering better acknowledged as a potential career for women at a younger age. Little girls need to understand that they too can become inventors and innovators!" – Cazzy Hein

Favorite Quote: "Unless you try to do something beyond what you have already mastered, you will never grow."  
– Ralph Waldo Emerson

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