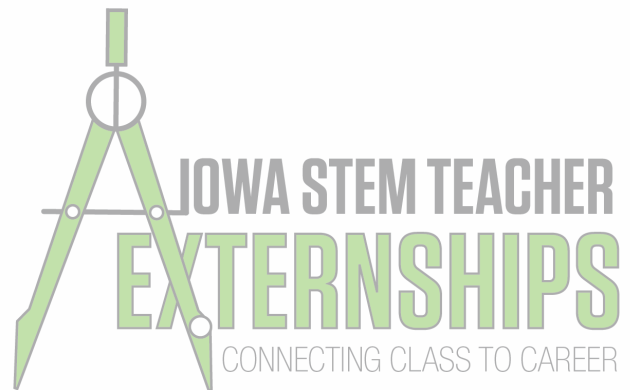
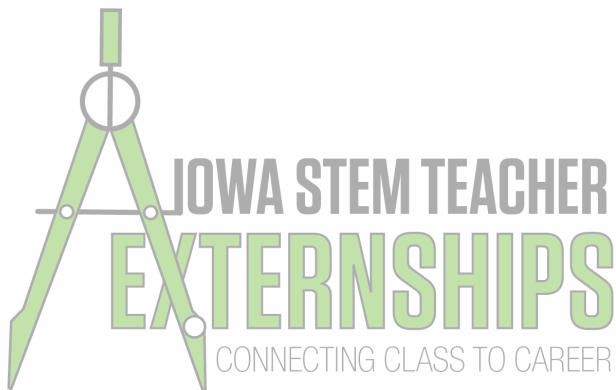


Externship Descriptions



Engineering and Manufacturing



Brent Bambrook

Pella Corporation

Pella, IA

Brent participated in an Externship at the Pella Windows and Doors plant in Pella, Iowa. He worked in the Manufacturing and Engineering Services plant along with spending time in the Technical Training Center. His main jobs were to understand and help improve the machine design process throughout the MES plant and provide feedback to the TTC on improving training materials. He also completed other tasks as needed to assist in machine design, build, and quality.



Megan Brautigam

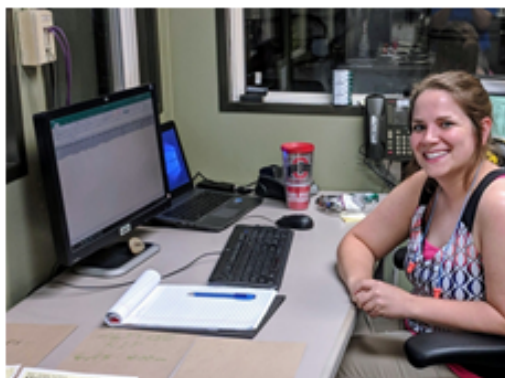
John Deere Ottumwa Works

Ottumwa, IA

The purpose of Megan's externship was to validate an online dashboard created by Deere. The dashboard has many online tools that would help Business Unit Managers and Module Leaders obtain information easily about the plant. Her attention focused mostly on verifying the components of the dashboard related to schedule and delivery of machines built in the plant. In the end, she created a tutorial on how to use the dashboard, gave a presentation over the dashboard, and held training sessions on using it.



JOHN DEERE



Matt Hansen

Simonsen Industries

Quimby, IA



Matt did his externship experience at Simonsen Industries developing a welding training program for untrained workers joining their workforce. He spent time welding and assembling products that they consider entry level products, mainly building hydraulic oil reservoir tanks and other small assemblies. He also collaborated with the engineering team on ways to improve or alter products that allow for faster assembly as well as less welding processes.



Tristan Sikkema

Rockwell Collins

Bellevue, IA



Tristan worked on creating kiosks so that the lead operators can keep tabs on their lines production. He set up the kiosks to the Line operators specs on what they want to show up. So what they have is a touch screen monitor that they will be able to pull up set documents that are especially for their group. He had to communicate to each lead to see what they want put on, where it should be put or easy of use for them. After he set that up, Tristan trained them on how to use it.



Alex Ruehlow

Geater Machining & Manufacturing

Independence, IA



Alex worked in the machining side of the factory, mostly with the CNC machinists, and pallet changing machines. His main job was to setup and machine parts to predetermined specifications, read and follow control plans for each part, use precision measuring equipment to make sure the part is within the given tolerances according to the control plans, and also deburr every part to get exact uniform finishes on each part. Through this he has learned many new skills about machining and the production of parts. He also learned how important a control plan is to follow to get the best quality.



Wendy Heemstra

Rosenboom Machine & Tool

Sheldon, IA



Wendy participated at Rosenboom Custom Crafted Cylinders in Sheldon. While she was there she worked in the chrome plating department. She helped with capability studies on machine output by looking at the data gathered from the production floor. She also helped with data collection in the salt spray testing process. Another one of her other tasks was to enter the data gathered daily from each production shift into a spreadsheet to aid in the capability studies.

