Jane Johnson

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# EDUCATION

***Bachelor of Science in Chemical Engineering*** May 2027

***Minor****:* Environmental Engineering

Trine University; Angola, Indiana GPA: 3.60/4.0

# WORK EXPERIENCE

*Seed Corn Inspector* May 2023– Aug 2023

## Monsanto; Hillsdale, MI

* Performed daily visual inspections for the health and development of numerous cornfields
* Collected critical field data to assess plant health and optimize crop production
* Compiled report data and performed a comparative analysis to identify trends and potential problems

*Engineering / Quality Control Assistant* May 2022 – Aug 2022

## Metal Technologies Inc.; Auburn, IN

* Utilized Excel to compile and analyze data for inventory management
* Completed product inventories and reported inventory level to supervisor
* Conducted laboratory tests on manufactured metal products including:
	+ Tensile testing for material strength and ductility assessment
	+ Micro sample analysis and certification to verify metal composition
	+ DISA calibrations and iron filling analysis to maintain equipment and ensure product quality

# TECHNICAL SKILLS EXPERIENCE

***Computer Skills***: MATLAB, Microsoft Office Word, PowerPoint, Microsoft Excel, COMSOL, ChemCAD

***Laboratory Skills***: Titration, spectrometers, qualitative analysis, distillation, centrifuges, and various separation devices

***SAChE Certifications***: Hazards and Risk: Intro to Pressure Protection, Explosion Hazards, Lab Safety, Hydrogen

Fueling Station Incident Response

# ENGINEERING PROJECT EXPERIENCE

Designed experiments to determine:

* Heat transfer in a double pipe heat exchanger
* Salinity of water sample
* Pressure drops in a piping system using a venturi and orifice meter
* Mass flow rate of water in a Double Effect Heat Evaporator
* Effect of 5% Nitrogen fertilizer on growth rate of corn

# HONORS, AWARDS, & ACTIVITES

* Trine University Student Ambassador
* National Chemical Engineering Honor Society, Omega Chi Epsilon, member
* Trine University Chemical Engineering Chair Tuition Scholarship recipient
* Trine University Student Athlete Advisory Committee member
* Michigan Intercollegiate Athletic Association Honor Roll Student Athlete