

# Wilfred Schmitz

Composite Materials Engineer

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## EDUCATION

**Bachelor of Science** – Composite Materials Engineering (ABET) **Expected May 2022**  
Winona State University, Winona MN  
GPA: 3.566, Dean's List (3 Semesters)  
Membership in National Society of Collegiate Scholars (NSCS), National Society of Leadership and Success (NSLS)

### Relevant Coursework:

Fluid Mechanics: Studied the movement of fluids and the forces that fluids impose on their surroundings

Manufacturing: Covered the main manufacturing processes like injection molding, filament winding, and the autoclave

Properties of Materials: Studied the properties and distinctions between composite materials

## RELATED EXPERIENCE

**CME Intern/Operator** **August 2019 - Present**  
PlastiCert Inc. • Lewiston, MN

- Manufactured and inspected injection molded products
- Tested injection molded parts to buying company print standards
- Prepared quality control documents like Packing instructions, First Article Inspections, and Production Part Approval Process
- Ensured warehouse and floor was kept clean and worker safety was top priority

## LEADERSHIP EXPERIENCE

**Vice President/Treasurer/Member** **August 2018 - Present**  
Society of Plastics Engineering (SPE)

- Lead underclassmen in hands on processes, including vacuum bagging, filament winding, and hand layups
- Planned meetings with a team of 3, coordinated projects for a group of 10
- Manufactured multiple large and small projects, including a canoe, a longboard, and canoe paddle
- Managed the SPE financial transactions

## TECHNICAL SKILLS

Microsoft Office: Excel, Word, PowerPoint

3-D CAD Design Software: SolidWorks

Data Science, Math and Statistics Software: JMP, Rstudio, Mathematica

## ADDITIONAL EXPERIENCE

**Kitchen Co-worker** **March 2018 - July 2019**  
Kwik Trip Inc. • Winona MN, Caledonia MN

- Collaborated with team of 2-3 to prepare food and ensure temps on equipment were constantly stable
- Ensured customers were satisfied with their orders in a timely manner