

Education

Winona State University – Winona, MN
Major: Composite Materials Engineering

May 2022

Related coursework

Organic Chemistry, Polymer Chemistry, Mechanics of Materials, Statics, Dynamics, Thermodynamics, Heat and Mass Transfer, Fluid Mechanics, Electrical Circuits, Engineering Economics, Mechanics of Composites, and Composite Manufacturing

Work Experience

RTP – Winona, MN

May 2021 – Present

Wear Engineering Intern (Full Time)

- Testing experimental wear material using the ASTM D3702 Standard Test Method
- Compounding materials using single-screw and twin-screw extruders
- Completing ASTM and ISO molding using an injection molding press
- Implemented a new catalog and logging system to help organize extra material that was on hand for the wear department
- Performing notched and unnotched impact, tensile, and flexural testing on R&D experimental materials

CPI, CORE – Winona, MN

March 2021 – May 2021

Quality Control/Part Inspection (20 Hours/Week)

- Inspecting and reworking of parts
- Helping on the production lines, inspecting, and cleaning of parts coming off the molds

Midtown Foods – Winona, MN

September 2017 – March 2021

Night Manager (20 to 30 Hours/Week)

- Working with and managing employees; coordinating night routines, distributing tasks/jobs for employees
- Helping in the training of incoming employees in various roles throughout the store
- Stocking shelves, rotating products, and creating product displays
- Assisting in register issues, and helping customers
- Spent time working in Midtown Wine and Spirits doing similar activities

Extracurriculars Activities

Society of Plastic Engineers – Winona State University Club

January 2021 – Present

President, Member

- Organizing and planning of club activities
- Helping in the design process of an amphibious canoe that has mobility capabilities in both water and land
- Helping in the building of a handmade canoe

National Society of Leadership and Success – Winona State University Chapter

October 2021 – Present

Member

Skills Summary

Computer: Microsoft Excel, SolidWorks CAD Software

Machines: Experience with TMA, DSC, TGA, DMA, and FTIR testing. Worked with injection molding presses, single and twin screw extruders, and compression molding.

Personal: Good communications skill, critical thinking, works well in groups and individually, good leadership skills, hardworking, and thoroughly organized

