

Charlie Dennis

103 East Howard Winona, MN, 55987 | charlie.dennis@go.winona.edu | 763-614-4374 | <https://www.linkedin.com/in/charlie-dennis-99b200230/>

Objective: To obtain an entry-level position as a Composite Engineer which would allow me to utilize my education and internship experience while gaining valuable work experience in a team-oriented environment.

EDUCATION

Bachelor of Science – Composite Materials Engineering

Expected May 2023

Only Accredited Program in the Nation

Winona State University, Winona, MN

GPA: 3.0/4.0

Relevant Coursework: Mechanics of Composite Materials, Polymer Science and Characterization, Composites Manufacturing, Manufacturing System Analysis, Computer Applications of Engineering, Heat & Mass Transfer, Finite Element Analysis.

Technical Skills: ASTM/ISO, Tensile, Flexural, Compression, Shear, Impact, MFI, Rheometer, Fiber Burn-Off

Characterization: Microscopy, SEM, TGA, DSC, TMA, DMA, GCMS, GPC, FTIR,

Software: Microsoft Office, Excel, SolidWorks, MoldFlow, IQMS

Manufacturing: Filament Winding, Hand Lay-up, Injection Molding, 3D Printing, Extrusion, Pultrusion, Autoclave

RELEVANT EXPERIENCE

Manufacturing Heat Treatment Position

Fastenal, in Winona, MN

August 2022- Present

- Utilizes load building instructions and material specifications to create heat treat cover sheets in Excel.
- Uses a creative outlook at load building to ensure all parts are safely and neatly in each load prior to furnace loading.
- Operates forklift and stacks gaylords of parts throughout the shop floor and department, as well as cut, prep, and take hardness test of samples.
- Loads the furnace and runs the program to make sure the parts are heated to correct temperature and specification laid out by customer.

Intern Position

Avient, formerly known as Plasticomp in Winona, MN

May 2022-August 2022

- Rotated through several departments within the company including, pellet production, R&D, quality, molding production and design.
- Assisted in operating LFT Pultrusion lines and various Injection Molders.
- Created several parts using SolidWorks, which were then analyzed using a variety of FEA tests and Autodesk Moldflow.
- Tested material quality that included flexural, tensile, impact and specific gravity testing. Recorded data was manually imported into the quality management system.

ADDITIONAL EXPERIENCE

Student Athlete

Winona State University

August 2018 – August 2022

- Trained extensively and observed proper nutrition for weeks leading up to collegiate competitions.
- Managed time effectively while traveling for games, attending practice and going to classes.
- Exhibited excellent teamwork and strong work ethic by promoting camaraderie.
- Overcome adversity in a team setting, finding new ways to solve a problem or issue.
- During football season dedicated 30+ hours a week plus traveling.

Belt Loader

Fanatics Inc, Winona MN

June 2021 – August 2021

- Assists screen printer with the set-up, tear down, and staging of next order
- Gathered and staged all items needed to set-up next job which included screens, ink, art form, shop packet, material, and positives.
- Assist in the training of new belt loaders
- Visually inspected all pallets for deliveries to verify quality and accuracy of shipments.
- Performed other duties and tasks as assigned.

Charlie Dennis

103 East Howard Winona, MN, 55987 | charlie.dennis@go.winona.edu | 763-614-4374 | <https://www.linkedin.com/in/charlie-dennis-99b200230/>