Blake M. Endle

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OBJECIVE

Hard-working and enthusiastic Composite Material Engineering student, excelling with a 3.92 GPA, currently attending Winona State University. Frequently complemented as well-structured, motivated, great communicator, and organized by peers. I can be relied upon to help your company achieve its goals. High priority on safety, environment, and ethics.

EDUCATION

Bachelor of Science in Composite Materials Engineering Expected May 2023

Winona State University- Winona MN

Dean's list (Fall 2019-Spring 2022)

- Only ABET accredited Composite Materials Engineering program in United States.

Relevant Coursework:

Composites Manufacturing, Mechanics of Materials, Introduction to Composites, Engineering Graphics and Design, Properties of Materials, Polymer Chemistry, Computer Applications in Engineering, Fluid Mechanics, Thermodynamics.

EXPERIENCE

Celanese-Winona, MN March 2022 - Present

Lab Testing and molding Intern

- Completed mechanical testing on injection and compression molded specimens according to ASTM standards.
- Produced laminate composites using a press and worked in a manufacturing setting.
- Created and implemented Standard Operating Procedures for compression molding and machining processes.
- Collaborated and communicated with Production and R&D teams producing appropriate test specimens.
- Used strong communication and teamwork skills to conduct meetings on FR material testing setup and equipment.
- Established equipment list and cost budgets.

Kruse Lumber-Rochester, MN June 2019 – December 2021

Delivery Driver

- Operated forklifts
- Put together loads of lumber for delivery
- Delivered building supplies to job sites/ contractors
- Utilized communication skills to ensure a satisfying customer experience

Technical Skills

Manufacturing Processes: Hand lay-up, Filament Winding, Pultrusion, Extrusion, Injection and Compression Molding, LEAN Manufacturing, and 5S

Software: SolidWorks, Mathematica, JMP, R, Python, Minitab, Business Sample Manager, Microsoft Excel, Microsoft Word, Microsoft PowerPoint and AutoDesk Moldflow

Characterization and Testing: TMA, DSC, FTIR, TGA, DMA, Tensile, Flexural, Compression, Shear, Odor, Defect, Impact, Fatigue, Microscopy (SEM), Fiber Content, Density and Specific Gravity—competent in ASTM standards

COMMUNITY SERVICE

Volunteer, Just Between Friends (JBF), *Woodbury*, *MN* September 2019 - Present

References

Eric Kerr-Anderson Assistant Professor, Winona State University
(507) 457-2984 - eric.kerr-anderson@winona.edu – Professor

Heather Chen Lab Manager, Celanese
(919) 306-1005 –heather.chen@celanese.com– Supervisor