

Trevor Fabian

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Aspiring engineer with technical experience and strong interpersonal communication skills. A self-starter with great problem solving and critical thinking skills. Hard worker who sets high goals and strives for excellence.

Customer service oriented and proven team player. High priority on ethics, safety, and the environment.

Education

Bachelor of Science in Composite Materials Engineering

May 2022

Winona State University- Winona MN

- Only ABET accredited Composite Materials Engineering program in United states

Related Course Work: Composites Manufacturing, Mechanics of Materials, Introduction to Composites, Engineering Graphics and Design, Properties of Materials, Manufacturing Systems Analysis, Polymer Chemistry, Computer Applications in Engineering, Fluid Mechanics, Thermodynamics, Senior Capstone Design, Mechanics of Composites, Polymer Processing

Technical Skills

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

Software: Microsoft Suite, SolidWorks, Mathematica, ProModel, JMP, R, Python, Minitab, LIM systems, Business SAP, AutoCAD, AutoDesk Inventor and AutoDesk Moldflow

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

Professional Experience

Celanese- Winona, MN

Lab Testing and Molding Engineering Intern

March 2021 – Present

- Produced laminate composites and worked in a manufacturing setting within a Fortune 500 company
- Completed Mechanical testing on injection and compression molded specimens and calibrated corresponding machines
- Setup and Implemented Automated Surface Defect Analysis Equipment and testing procedure
- Collaborated with Production, R&D and Technology teams producing 3-D CAD designs and CAD drawings for process improvement and capital projects
- Provided computer and technical expertise in programs such as the Microsoft Suite, Minitab and LIM systems
- Used strong communication and teamwork skills to conduct Root Cause Analysis and effectively manage problems

Winona State University- Winona, MN

Tutor/TA- Computer Applications in Engineering, Fluid Mechanics, Thermodynamics

August 2020 – Present

- Tutored students on formulating solutions utilizing programs such as Excel, Minitab, Mathematica, and AutoDesk Mold Flow
- Collaborated with students after class hours twice a week and helped students attack engineering problems head-on
- Graded engineering projects and formulated solutions with Professors

Signatures Restaurant- Winona, MN

Bartender/Customer Relations Specialist

March 2019 – August 2021

- Utilized interpersonal communication skills to ensure a satisfying customer experience
- Experienced serving, and working with, a diverse group customers and peers

Volunteer Work

FOCUS Missions

March 2018

- Presented the homeless of Prague, Czech Republic with hygiene opportunities: showers, haircuts, toothbrushes, clean shaves

myTEAMTRIUMPH WI

June 2013 – June 2016

- Pushed the cognitively disabled in races such as the Bellin Run 10k and the Festival Foods Turkey Trot

Awards and Certifications

Dean's List- Winona State University

Spring 2017 & Fall 2021

Lean Six Sigma Green Belt- Council for Six Sigma Certification (CSSC)

March 2022

- Credential ID # n1vUA0A2eL