

WESTON WILSON

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EDUCATION

WINONA STATE UNIVERSITY

B.S. - COMPOSITE MATERIALS ENGINEERING

Fall 2022 Outstanding Graduate

Passed Fundamentals of Engineering (FE) Exam

SKILLS

Materials Testing

- ASTM/ISO Standards
- TGA, DSC, DMA, TMA, FTIR
- Instron Load Frames
- Specimen Fabrication

Composite Materials Manufacturing

- Presses
- Hand Lay-up
- Filament Winding
- Resin Transfer molding
- Thermosets and Thermoplastics

Software

- Solidworks CAD
- Microsoft Office Suite
 - Word
 - Excel
 - PowerPoint

Microscopy

- Fractography
- Microstructure Analysis
- Scanning Electron Microscope
- Keyence Digital VHX-7000

WORK HISTORY

CIRRUS AIRCRAFT, DULUTH MN

MATERIALS AND PROCESS ENGINEERING INTERN

Summer 2021 AND 2022

- Assisted with material selection processes
- Analyzed physical and mechanical material properties
- Researched new process development
- Material testing and databasing

COMPOSITE MATERIALS TECHNOLOGY CENTER - COMTEC

2021 - 2022

Student Intern

- Conducted Material testing according to ASTM and ISO standards
- Prepared specimens via machining and fabrication
- Streamlined material stock and tool storage systems.

INDIANAPOLIS MOTOR SPEEDWAY

GUEST EXPERIENCE INTERN

May 2019

- Practiced inter-team communication
- Worked out multi-team logistical issues

OWATONNA HEATING AND COOLING

Summers 2018 - 2021

TINNER

- Installed commercial and residential HVAC systems and ductwork

REFERENCES

Elgin Miller

Engineer Manager – Material and Process, Cirrus Aircraft

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Matt Benson

COMTEC Director – Winona State University

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DR. KERR-ANDERSON

CME Professor, WSU

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WES KAINE

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KAYLEEN MCGAHERAN

Education Director, Sacred Heart Parish

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