

WESTON WILSON

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507-213-7878

EDUCATION

WINONA STATE UNIVERSITY

B.S. - COMPOSITE MATERIALS ENGINEERING

Learned the design, manufacturing, and testing processes of composite materials. The only undergraduate program of its kind in the United States. Hands on approach to education with state-of-the-art equipment and manufacturing processes.

SKILLS

Materials Testing

- TGA, DSC, DMA, TMA
- Instron and Blue Hill

Composite Materials Manufacturing

- Presses
- Hand Lay-up
- Filament Winding
- Resin Transfer molding

CAD Software

- Solidworks

Data Software

- JMP
- R

Microsoft Office

- Word
- Excel
- PowerPoint

WORK HISTORY

CIRRUS AIRCRAFT, DULUTH MN

AEROSPACE MATERIALS ENGINEER INTERN

Summer 2021

- Material and Process Department
- Assisted with material selection processes
- Researched and initiated new process development
- Material Testing and Databasing

INDIANAPOLIS MOTOR SPEEDWAY

GUEST EXPERIENCE INTERN

May 2019

- Worked guest services at the world's largest single day sporting event, the Indy 500.
- 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
- Blueprint reading
- Hand tools, power tools, machining experience
- Communicated and coordinated with other disciplines of tradesmen

REFERENCES

Elgin Miller

Engineer Manager – Material and Process, Cirrus Aircraft

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DR. KERR-ANDERSON

CME Professor, WSU

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WES KAINÉ

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KAYLEEN MCGAHERAN

Education Director, Sacred Heart Parish

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