



MARCUS WHITFIELD

CONTACT INFORMATION



(608) 555-0119



marcus.whitfield@example.com



LinkedIn.com/in/marcus-whitfield-eit



Madison, WI

KEY SKILLS

- SolidWorks, AutoCAD
- MATLAB, Python (basic)
- ANSYS (coursework)
- GD&T fundamentals
- 3D printing (FDM, SLA)
- LabVIEW (intro)
- Technical writing

ABOUT ME

Recent mechanical engineering graduate with internship experience in HVAC controls and a senior capstone in additive manufacturing. EIT certified and comfortable with SolidWorks, MATLAB, and basic FEA. Looking for a product design or test engineering role on a hands-on team.

PROFESSIONAL EXPERIENCE

Engineering Intern

Northcrest Controls, Madison, WI | June 2024 - August 2024

- Built test harnesses for VAV box dampers and logged response curves across 42 production units before shipment.
- Updated wiring diagrams in AutoCAD Electrical after a controller part substitution; revisions adopted into the released drawing set.
- Wrote a short Python script that pulled BACnet trend data into a CSV, saving the test team about an hour per build.
- Sat in on weekly design reviews and tracked action items for the lead engineer.

Undergraduate Research Assistant

UW-Madison, Madison, WI | August 2023 - June 2024

- Ran tensile tests on PETG and PLA samples printed at five infill densities; results fed into a senior design poster.
- Calibrated a Markforged printer and rewrote the lab's quick-start guide so new students could load filament without instructor help.
- Co-authored a short conference abstract on print orientation and Z-axis strength.

EDUCATION

B.S. Mechanical Engineering

University of Wisconsin-Madison | May 2024

- Engineer in Training (EIT), Wisconsin, 2024
- Relevant coursework: Heat Transfer, Controls, Machine Design, FEA