



Pamela Turner

MECHANICAL ENGINEER

Recent mechanical engineering graduate with two co-op rotations in HVAC and packaging equipment. Strong in SolidWorks and hand calcs, and comfortable on the shop floor with technicians. Looking for a junior role on a hardware team where I can grow into part ownership.

CONTACT INFORMATION



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KEY SKILLS

- SolidWorks, AutoCAD
- GD&T fundamentals
- Sheet metal and weldments
- Hand calcs (statics, beam bending)
- MATLAB, basic Python
- 3D printing (FDM, SLA)
- Machine shop (mill, lathe, manual)
- Microsoft Project basics

PROFESSIONAL EXPERIENCE

Mechanical Engineer I | Northstar Climate Systems, Columbus, OH | 2023 – Present

- Detail sheet metal brackets and ducting transitions in SolidWorks for rooftop HVAC units, releasing about 30 drawings per quarter.
- Built a fixture for leak-testing condensate pans that cut test setup time from 12 minutes to under 4.
- Support ECO closeout by routing redlines through PDM and following up with purchasing on long-lead items.
- Sit in on weekly design reviews and own the action items list.

Engineering Co-op (two rotations) | Beacon Packaging Machines, Dayton, OH | 2021 – 2022

- Redesigned a guard panel to meet OSHA 1910 standards using bent sheet metal and acrylic windows.
- Logged pneumatic cycle times on a case erector and proposed a manifold change that the senior engineer adopted.
- Created assembly instructions with exploded views for three machine subassemblies.

EDUCATION

B.S. Mechanical Engineering, The Ohio State University, 2023

FE Mechanical passed, October 2023