Dynamometer

Manufacturing Engineer at Raymond

Objective: Reduce footprint of performance testing

My Role:

- Create Project Charter
- Write Project Specs
- Financial Modeling (ROI)
- RFQs
- Submit Project Proposal
- Schedule/Manage Install

Retrospective: This is the project that made me really understand what ownership means



^{*} This project was on the capital budget for over 5 years with many other engineers trying to get it completed. I was the only(obviously) one to get it done.

^{*} Delivered to facility, scheduled for install January 7th, 2022

Voi Cube

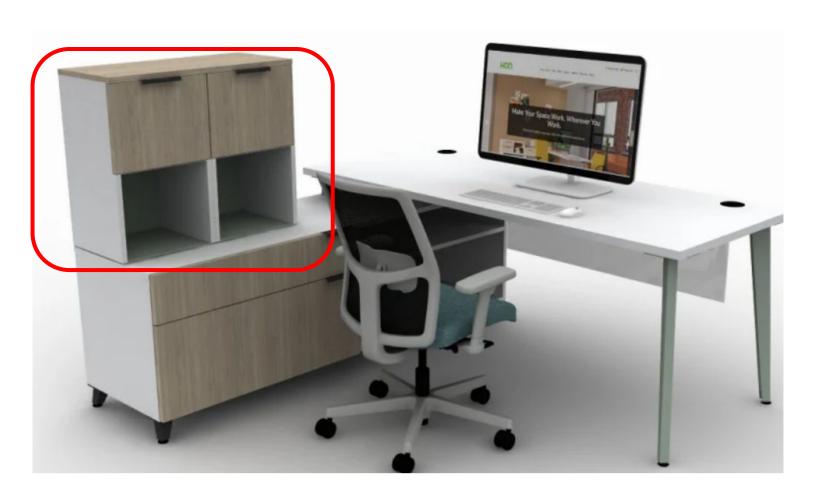
Advanced Manufacturing Engineer at HNI

Objective: Launch first product at HNI that mated steel and laminate

My Role:

- Design & Implement New Process
- Drive Organizational Change
- Find Creative Solution for a Problem

Retrospective: I am more proud of this project as time goes on because I did a hard thing with relatively little experience.



Packout Camera Install

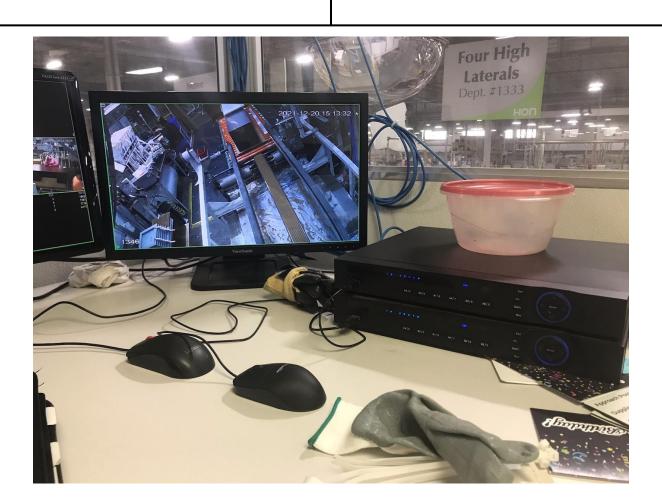
Quality Engineer at HNI

Objective: Reduce defects by taking pictures of finished product prior to packout

My Role:

- Install Equipment
- Troubleshoot Issues Post Install

Retrospective: On the technical side, I would have had a more robust solution by using industrial equipment rather than a "diy" solution. I also would have pushed back on whether this was the right thing to do. Looking back, I'm sure it was viewed as a draconian measure by the members on the floor.



Personal Projects

"Family Dashboard"/Digital Wall Display: Programmed a Raspberry Pie to launch a dashboard on startup. Recently saw similar products (albiet more polished) selling on Etsy for ~\$1,000. Materials cost ~\$200.





RetroPie: Built a retro gaming emulator using a Raspberry Pi

Computer Build: Built a desktoRetroPi: Built a retro gaming emulator using a Raspberry Pi p computer in 2012, still my primary computer at home

Robot Arm: Built a robot arm to learn PLC programming

