

# 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 Pi 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 desktop computer in 2012, still my primary computer at home

**RetroPi:** Built a retro gaming emulator using a Raspberry Pi

**Robot Arm:** Built a robot arm to learn PLC programming

