

MTD Products Work Experience

Akosh Raffai Washkewicz College of Engineering, Mechanical Engineering

ABSTRACT

This presentation seeks to share my co-op work experience at MTD Products as Content Developer in the service training department. Through outlining my role duties, accomplishments, and challenges, I hope to provide an educational summary of my co-op experience. I want to help other students understand what a co-op can be like and how they should approach work experiences, so that they can form their own expectations and goals when starting a job. I also want to give students who have already had co-ops the opportunity to compare our work, so that we can learn from each other's experiences.

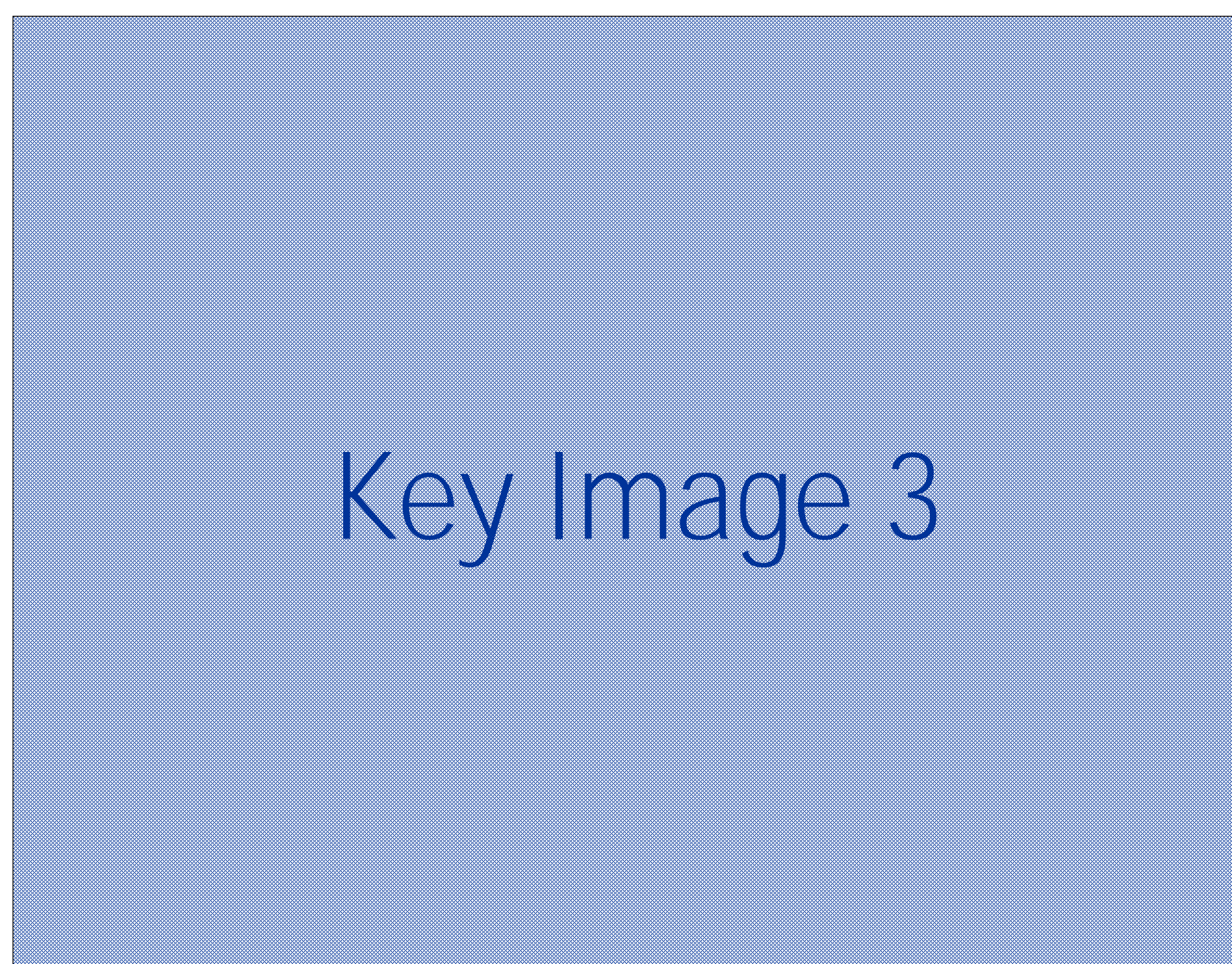


Cub Cadet mower assembly in Cortona 3D

APPLICATION OF COURSES

Manufacturing and Processes This class helped get me familiar with some tools I used in the shop. Occasionally I needed to use calipers to take measurements or perform light machining using a drill press.

Solidworks Being exposed to 3D modeling software and assemblies made using Cortona 3D intuitive, as the software was somewhat similar. It also helped me read engineering drawings of parts.



Assembly of mowers in the engineering shop

LESSONS LEARNED

Technical work with software and assembly work in a shop are two sides of the same coin when doing technical writing, being knowledgeable in both sides helps in writing a clear service procedure, especially when describing using tools like torque wrenches.

Communication skills are very important to describe how to do something correctly, but without extraneous information.

Verifying deck belt replacement procedure in the shop

FUTURE CAREER OBJECTIVES

I analyzed many mechanical systems during

ACKNOWLEDGEMENTS

MTD Products Valley City, Ohio

Dan Loar Service Training Supervisor, Dr. Yongxin Tao Faculty Mentor