

MARCUS GORDON

Industrial Technology:
Finish in Five Program





ABOUT MYSELF

- Merced College Transfer.
 - Currently in my third year in the Industrial Technology program.
- Currently an educator.
 - Product Design and Manufacturing instructor at Reedley High School and Orosi High School.
 - Department Chair for the Manufacturing/ Product Development sector for Valley Regional Occupational Program(ValleyROP)



INDUSTRIAL TECHNOLOGY

- Industrial Technology has many applications in today's society.
 - In which industry?
 - With what technology?



THE DIFFERENT RESEARCH OPPORTUNITIES THIS SUMMER.

- Implementing The 5S System in the Manufacturing and Tooling area of the Industrial Technology Workshop.
 - This would bring a modern methodology for organizing, cleaning, developing, and sustaining a productive work environment.
 - How would this look from the aspect of this program?
- Researching the aspects of an interactive workstation for Fresno State students in the machine shop?
 - Students would scan a QR code that would play interactive videos of demonstrations and tool maintenance .
 - QR codes would be placed outside of classrooms to do the same as well.
- Research into if students are capable to demonstrate skills that is sought after in the work environment.



STUDENT-FOCUSED RESEARCH

- Was there substance provided in the course work that lead to the development of a needed piece of equipment for the department?
- We were presented with the opportunity to create a Lightboard for a member of the faculty.
 - Lightboard- it is an luminescent clear writing board that enhances presentations.
- Did the course work provided in the curriculum prepare for the manufacturing project?
 - What were the steps?
 - Procurement
 - Design implementation
 - Manufacturing Process
- Finished product and what that means for Fresno State students.

LIGHTBOARD

Did the course work provided in the curriculum prepare for the manufacturing project?

What were the steps?

Procurement process

Design implementation

Manufacturing Process

Finished product.

what that means for Fresno State students?



MANUFACTURING PROCESS



MANUFACTURING PROCESS EXT.

Before Milling Process



After Milling Process



TESTING FOOTAGE



FINAL THOUGHTS

