

Lyssie Wright

Education and Training

Flatiron School Remote
Software Engineering

Jan 2022 - May 2022

Murray State University Murray, KY
Bachelor of Science, Engineering Physics

Aug 2013 - May 2018

Flatiron:

- Designed, coded, tested, and demonstrated applications in groups and alone. These applications allowed users to:
 - o **Map Project:** search the Tripso API to locate activities, restaurants, local attractions in cities throughout the USA and leave reviews on each city.
 - o **Quizzes Project:** take different quizzes based on categories through a quizzes API and post high scores to a leaderboard page
 - o **Canvas Project:** as a user, create an account and color a pixel on a public canvas to create images with other users. Also be able to view pixels that have been edited the most, and see the leaderboard with the users that have colored the most pixels.
 - o **Outfits Project (final):** as a user, create an account, upload images (Active Storage) of outfits from your closet, remix outfits to create new outfits, and be able to friend other users and view their outfits.
- **Automated Manufacturing – Senior Design 1 & 2**
 - o Helped with the design and construction of a fully automated system whose purpose was to put together a gearbox.
 - o Designed and built the pneumatic subsystem based on force calculations and knowledge of pneumatics.

Through the course of this work I worked with CSS, HTML, Git, JavaScript, React, Ruby, Rails, Sinatra, SQL, and external APIs and libraries.

Work Experience

Leonardo DRS. – Fort Walton Beach, FL
Manufacturing Engineer

June 2020 – January 2022

- Aided the assemblers in the use of our production management system.
- Created/edited work plans and work instructions based on tickets issued by assemblers and supervisors.
- Analyzed labor efficiency and presented to managers and supervisors of each product line weekly.
- Rearranged tasks/removed unnecessary tasks in assembly processes with poor efficiency as part of the efficiency improvement effort.

Univance Inc. – Winchester, KY
Manufacturing Engineer

July 2018 – June 2020

- Performed daily tasks to support the assembly lines: fixed jigs, adjusted pokayoke sensors
- Completed design projects to help production move more efficiently (all done in AutoCAD): Dowel pin puller, Magnaflux inspection jig, assembly and rework jig redesigns, part rest redesign.
- Performed standard time calculation and documentation for every line and helped apply that to man power reduction projects.
- Performed data analysis to improve and maintain straight through ratio on the transfer case assembly line.
- Supported the quality department with Warranty Investigations by disassembling failed transfer cases and finding the cause of failure. Created the work instruction for the process.

Other Activities

Murray State University
Sr. Athlete Women's Soccer

2013 - 2018

- Competed in 4 successful years of Division I college soccer
- Provided a leadership role and guidance to other members on the team and participated in all games