



HARMONY

"Doubt kills more dreams than failure ever will."

-Suzy Kassem

Harmony Petty

EDUCATION

Berry College, Mount Berry, GA — Bachelor of Science
August 2017 - May 2021

Major: Creative Technologies- a four-year degree in prototyping and design, computer science, and entrepreneurship.

Minor: Entrepreneurship & Innovation - basic courses in accounting, finance, management, & marketing as it specifically pertains to starting a business or innovation.

EXPERIENCE

HackBerry Lab, Berry College — Student Lab Co-Director

Fall 2019 - PRESENT

- Promoted from the role of Lab Assistant to Student Lab Co-Director in Fall 2020
- Responsible for communication and meeting organization of lab assistants
- Trained new lab assistants
- Taking inventory and filling orders for lab materials
- Providing assistance to students using space and equipment for project work
- Responsible for cleaning, organization, and maintenance of the lab space and materials/machinery.

INFO

665 McCreary Rd SE
Calhoun, GA 30701
(706) 263-8605
harmony.petty@vikings.berry.edu

SKILLS

Sewing and Embroidery
Digital Fabrication
Business Planning
Graphic Design
Computer Programming
Inventory
Invoicing

PLATFORMS

Cricut Design Space
Fusion 360
Arduino
Processing
InDesign
Jenzebar
Feith
Square

Purchasing Office, Berry College— Advanced Order and Invoice Assistant

August 2017 - PRESENT

- Data entry for accounts payable- purchase order entry, blanket vendor invoices, and monthly statements
- Problem solving to track down invoices and account information
- Answering calls about accounts payable
- Experience in Jenzabar and Feith

Harmony's Crafty Creations LLC, Calhoun, GA — Owner

July 2013 - PRESENT

- Owner of Harmony's Crafty Creations, founded 2013
- Creative graphing design consulting with clients to develop brand identities and logos
- Fabricating decals to be applied to vehicles, apparel, drinkware
- Manages ongoing customer base of 200-300
- Develop and implement social media plans for customer outreach
- Managing an in-store booth with inventory and billing
- Managing website

AWARDS

Student Business Pitch Competition- 2019 4th place pitched Harmony's Crafty Creations plan for expansion.

Student Business Pitch Competition- 2020 4th place



Harmony's Crafty Creations

706-263-8605



Harmony's Crafty Creations Trailer

Due to increase demand in my company Harmony's Crafty Creations, in the summer of 2019, I purchased this vending trailer. This allows for more storage as well as something I can take to events to sell out of. I designed all of the lettering and logos in Cricut Design Space by creating a 1:12 scale version. Then cut them on a vinyl cutter and applied them.

Skills: Cricut Design Space, 2D Design, Vinyl Cutting & Application



CALHOUN

Harmony's Crafty Creations

706-263-8605

DISCOVER

Mastercard

VISA

American Express



Hannah's
Crafty Creations

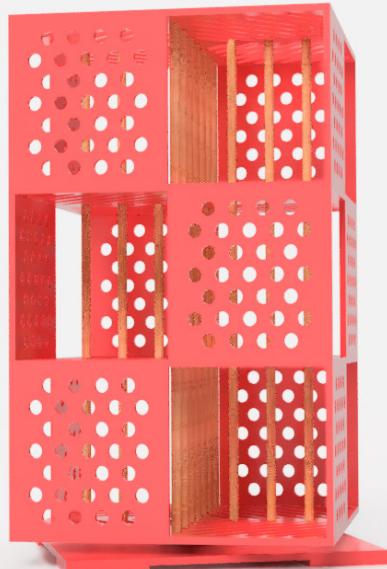
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Harmony's Crafty Creations T-Shirt Display

This t-shirt display was created to provide a creative solution to store and display shirts for sale at vendor events. Routing the holes in the MDF both provided a fun design as well as cut weight from the overall display. It allows customers to easily look through a variety of shirts and optimizes space.

Skills: Woodworking, Routing & Vinyl Cutting



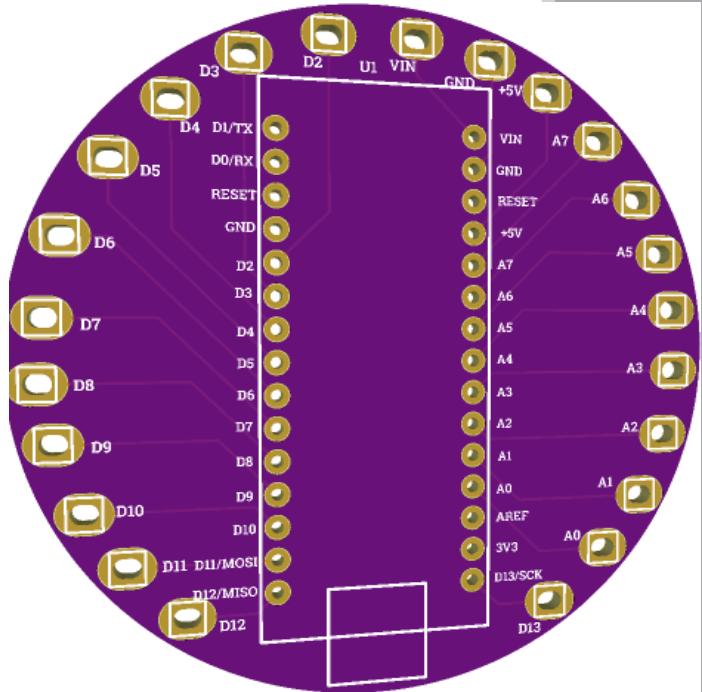


HAPPY
4/16
2020

NeoPixel Kimono

For the NeoPixel Kimono, I made a kimono using a pattern online, machine embroidery flowers & leaves, and sewing in wearable PCBs to create a color-changing NeoPixel kimono.

Skills: Arduino, Patterning, Sewing, Embroidery, Wearable Electronics, PCB design, & Soldering





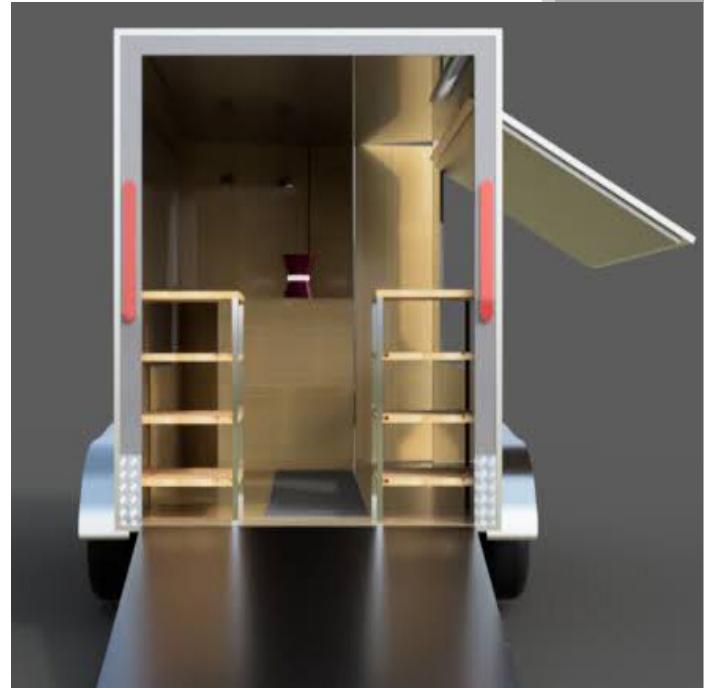
Harmony's Crafty Creations

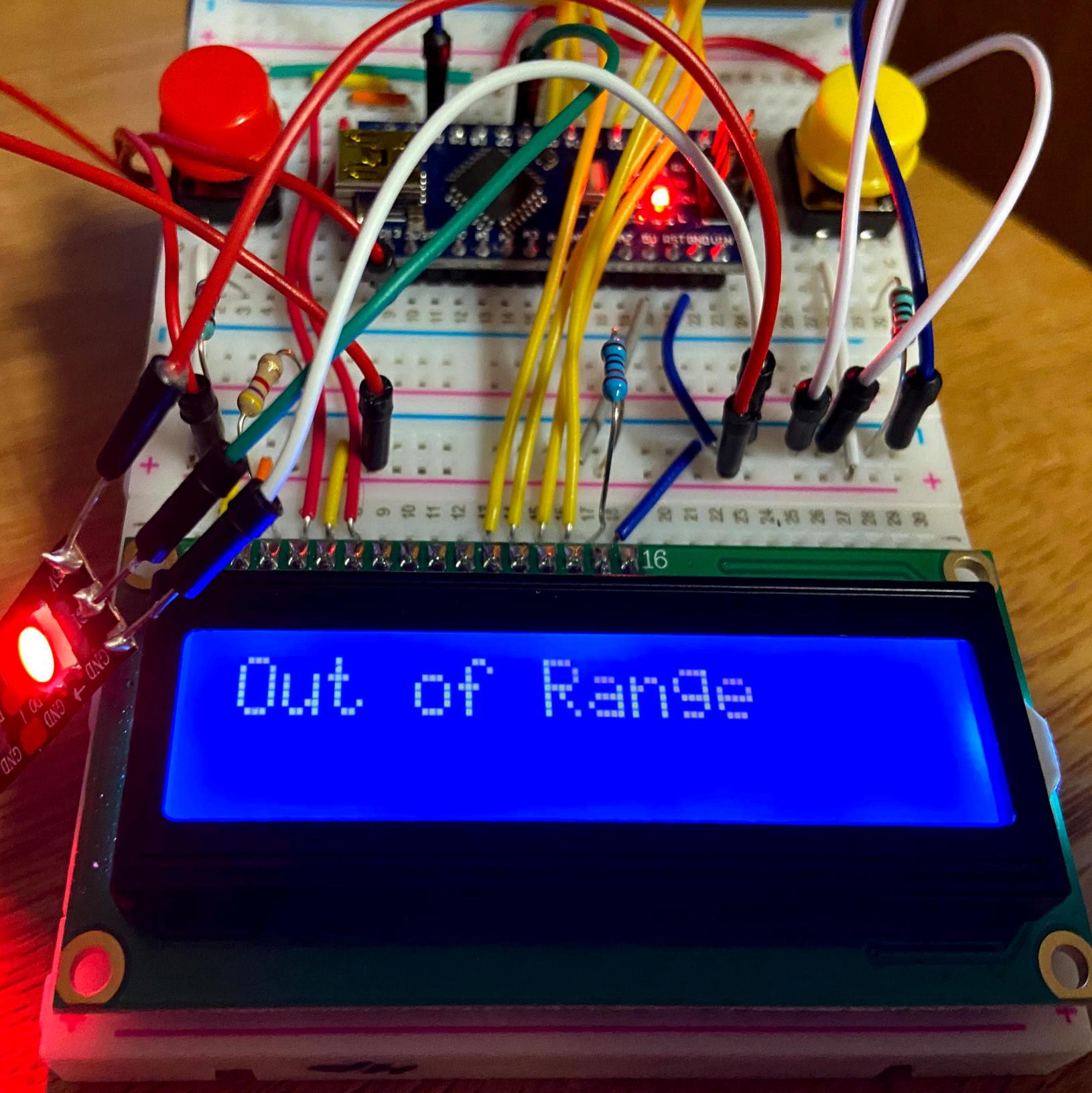
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HCC Fusion 360 Trailer Model

For my Fusion 360 final, I wanted to model my business trailer. I wanted it to look like a scaled version that I can use to create shelves and other things on the inside to test out the layout before I build them in the actual trailer.

Skills: Fusion 360



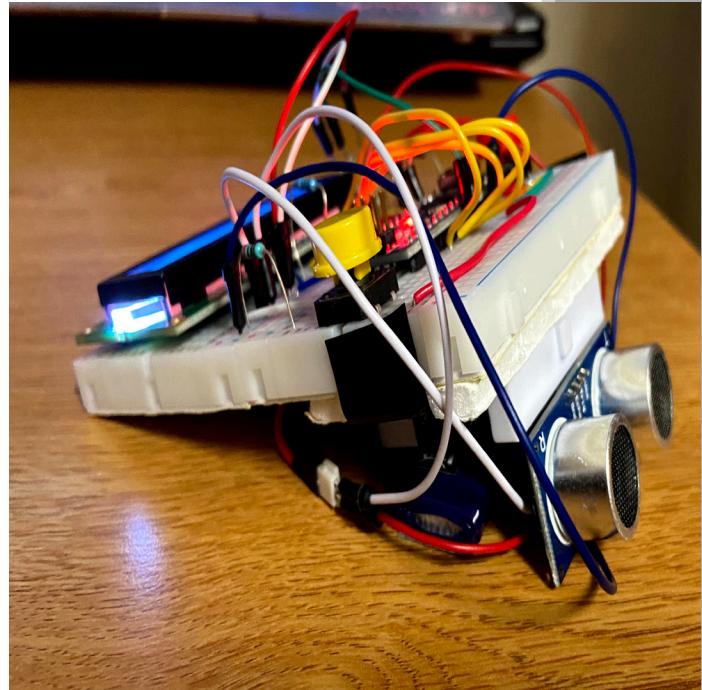
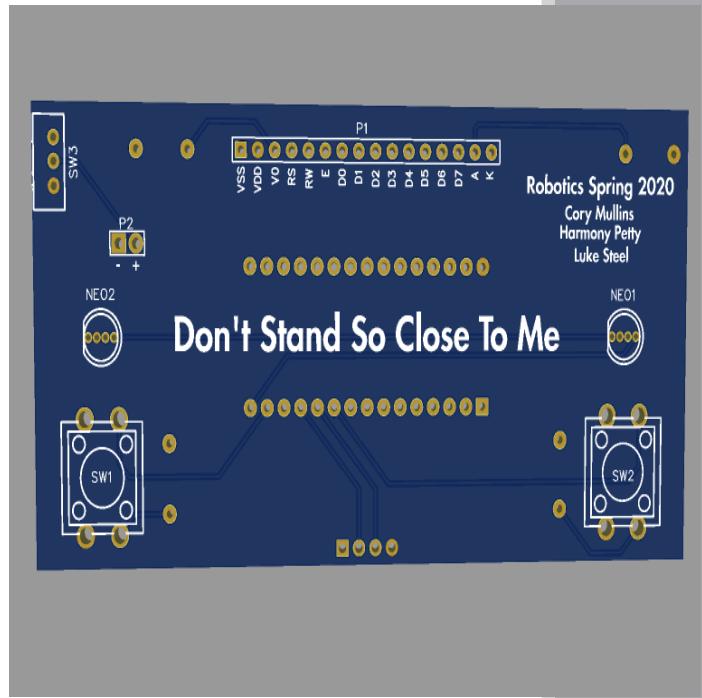
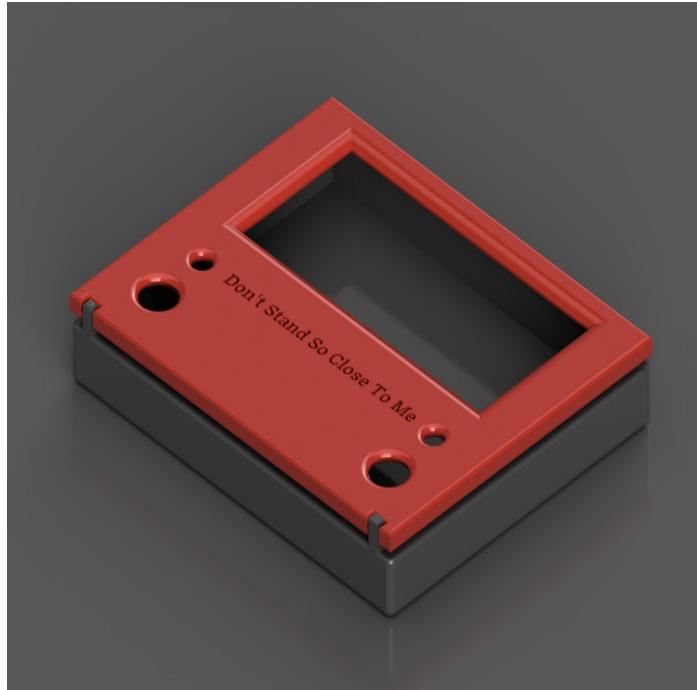


Out of Range

Don't Stand to Close to Me

This hand-held device uses an Ultra-sonic range finder, LCD screen, 2 Neopixels, and 2 buttons, to measure 6ft. If you are within 3 inches either direction of 6ft the green NeoPixel will turn on, if not it will turn red. It also shows the measurement. This was part of a group project where we also created a PCB and built a case in Fusion 360.

Skills: Arduino, PCB Design, & Fusion 360

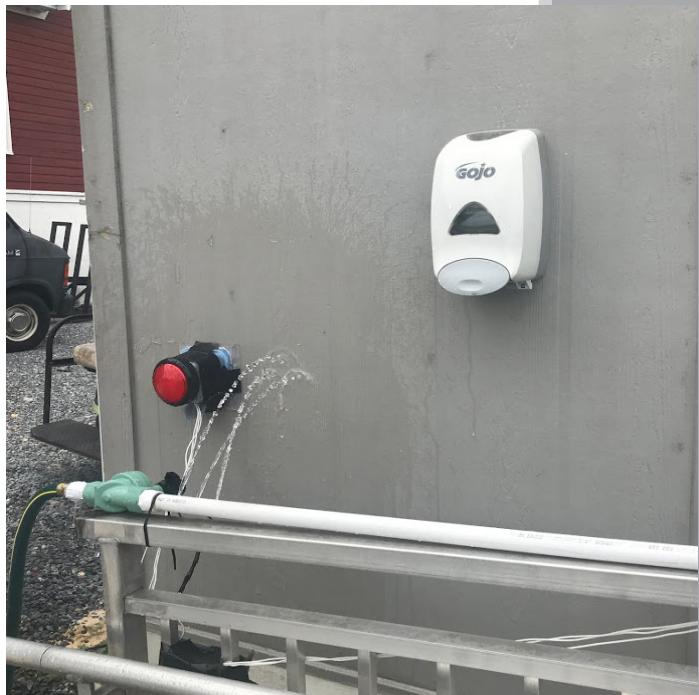




HackWasher

The HackWasher was designed during the summer for HackBerry Lab in preparation for students to return in August during the COVID-19 pandemic. It is a handwashing station build on the handrail outside the lab.

Skills: Arduino and physical fabrication





NeoPixel Ferris Wheel

This interactive art piece was designed for a physical computing class. The Ferris Wheel was designed in Cricut, then cut out of basswood on a Cricut Maker. Using Arduino with NeoPixels, a photoresistor, and a DC motor to spin it and light it up.

Skills: Arduino, Cricut Design Space and physical fabrication





Piano

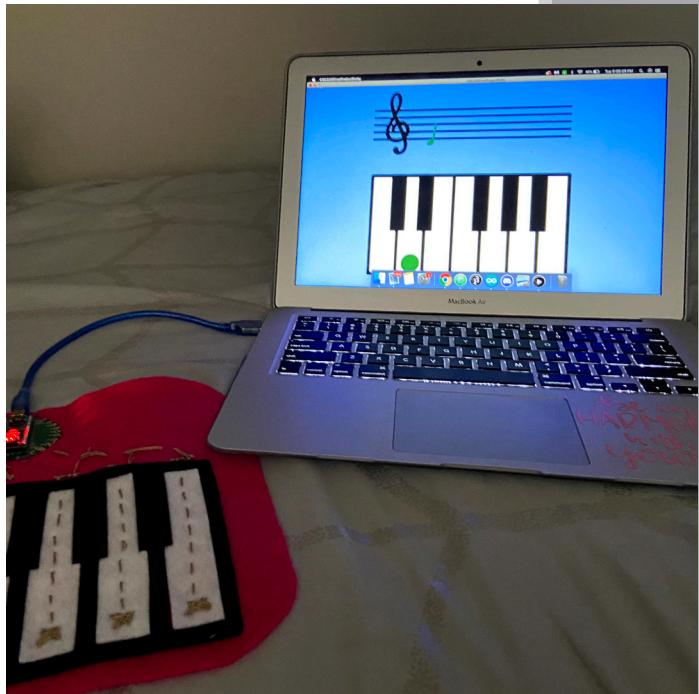
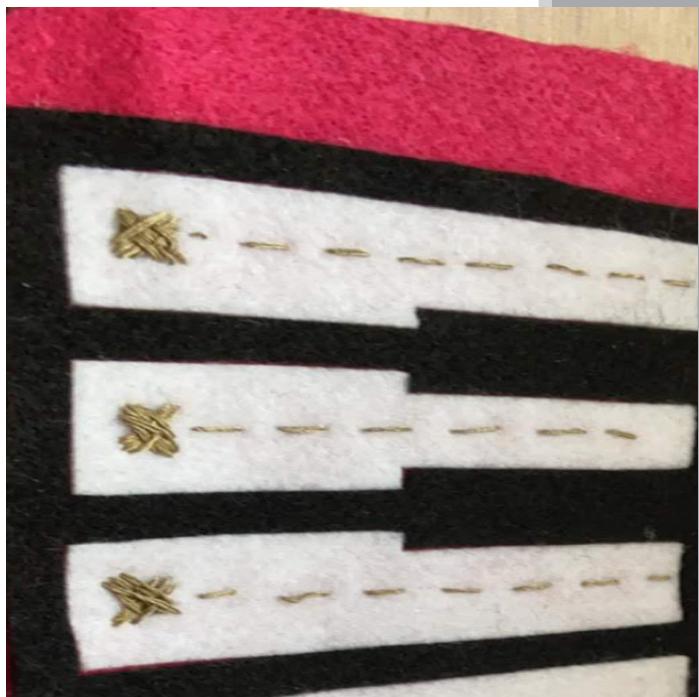
Press spacebar to start

MacBook Air

Piano Trainer

For my CSC 235 project, I wanted to combine the things I learned in the CRT 498 class with conductive thread into a controller for a game. The piano trainer allows you to learn to play a song in processing on a capacitive touch piano connected to Arduino.

Skills: Arduino, Processing, Sewing, Wearable Electronics

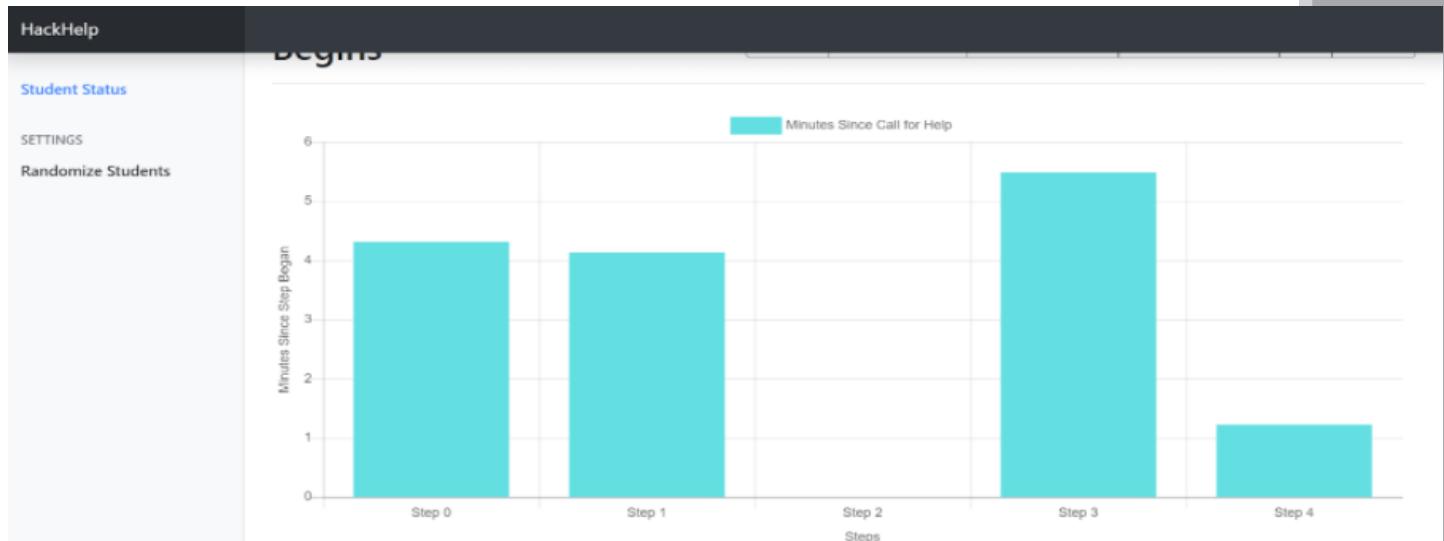




HackBerry Helper

In my CRT 399, we were looking to solve a problem in the community. This project focused on allowing teachers to track student progress throughout an activity. Each student would receive their own handheld device with two buttons. One that signified that they were good and ready to move on the other saying they need help. We then used this data to make graphs to show overall progress using PHP and MySQL.

Skills: Arduino, PHP, MySQL, PCB design



What was the average time help was first called per step?

-What point in the step did the student need help, this can help explain if the instructions were unclear, or if they could not get it to work near the end.



Embroidery

Machine Embroidery is a skill I had always wanted to learn, from simple designs to appliques. To make an embroidered design you start with an image and import it to a embroidery software to convert it to a stitch file.

Platforms: Inkscape, SewArt64



CHILL, IT'S JUST A



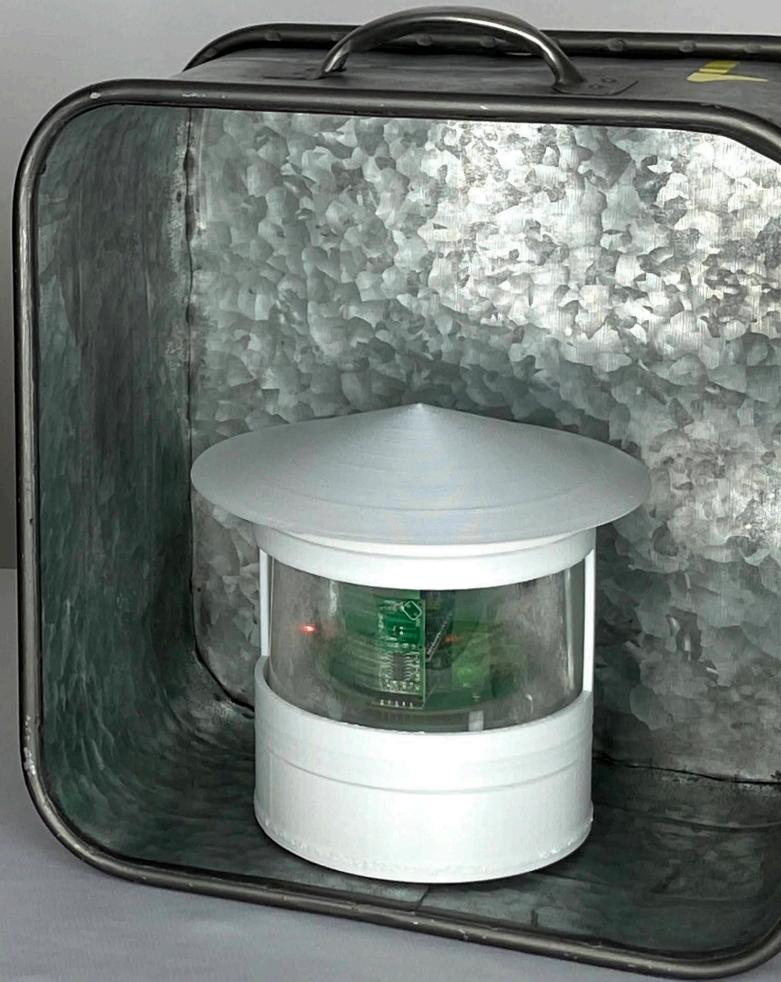
PROTOTYPE

Shirt Staffed

During a 4 hour Hackathon, I cut out and pressed 14 of these shirts. I made them for all of the Lab assistance at the time plus the instructors. I designed the shirt before the Hackathon using Cricut Design Space.

Skills: Digital Design, Cricut Design Space, Vinyl Cutting, Heat Press





Grass is Greener

For this project, we were looking at the inefficiency of the sidewalk placement in the Cage Lawn. To measure this we created two sensor modules that use microwave sensors to track someone. Then used data to create visualizations to portray this issue.

Skills: Arduino, PCB design, Soldering, CAD, 3D Printing, Vinyl Cutting, HTML, PHP, MySQL, Laser Cutting, & Wood Staining.

