

The background of the image is a deep space scene. It features a dark, star-filled sky. A prominent, bright orange and red nebula or galaxy structure is visible, stretching across the upper right portion of the frame. A single, bright, yellowish-white star is positioned near the center of the image, slightly above the text. The overall lighting is dim, with the primary light sources being the nebula and the central star.

ANIKA VERMA

DESIGNER AND DATA SCIENTIST

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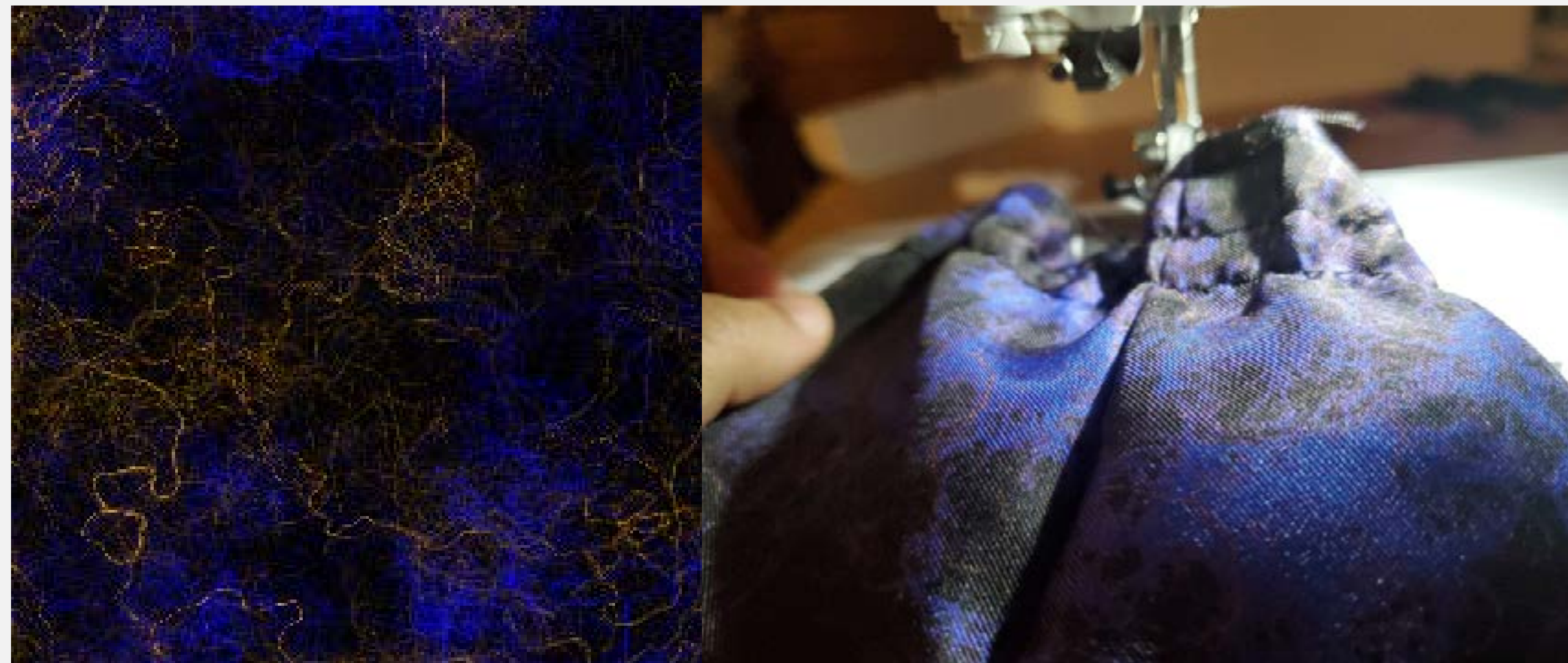


**\*Due to contract obligations, I am unable to show pictures of my professional work. I have included pictures that are similar to the work I created. Additional information is available upon request.**



NOVEMBER 2022 - DECEMBER 2022

## CODING//CLOTHING



I visualized one of my favorite songs in p5.js as an additive flowfield by analyzing the intensity of the bass and treble of the music. After creating an image using the flowfield, I printed the art on fabric. I sewed a top with a structured bodice, lace-up back and bishop sleeves that displayed the art.

 <https://youtu.be/ShvY3qZUclw>

 <https://editor.p5js.org/anikav/sketches/Bdm6hikek>

Tools: p5.js, sewing machine

*CODING. DE-  
SIGNING.  
SEWING*



*CODING. DE-  
SIGNING.  
SEWING*



NOVEMBER 2022 - DECEMBER 2022

# MORE THAN A MUSE

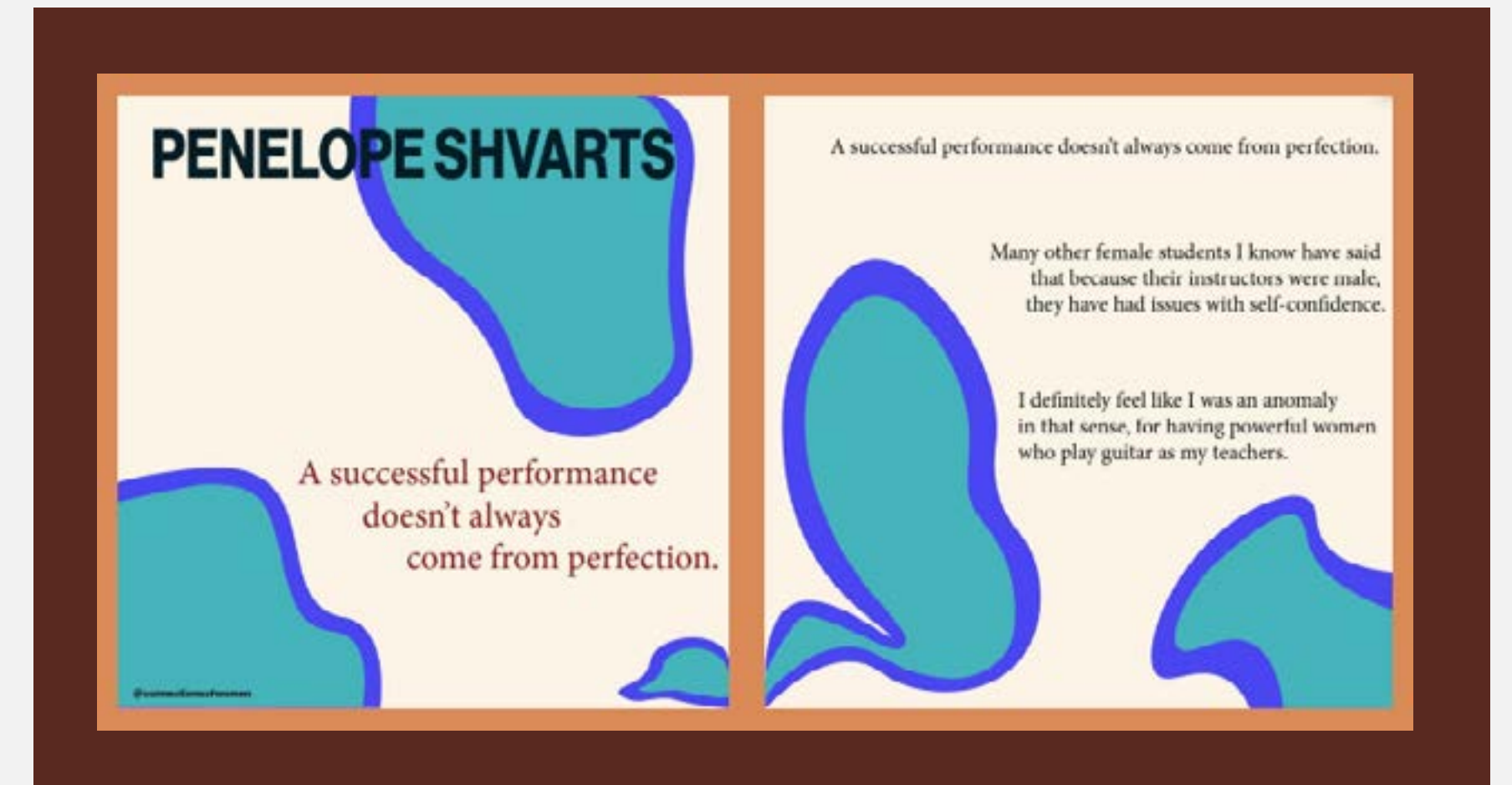
More Than a Muse was an experiment created by my friend and I, as musicians that play in fields that are traditionally underrepresented in music - electronic music and flamenco guitar. We interviewed successful women in our respective fields about their experience as female musicians, and created small posts on Instagram that we designed featuring their quotes. This was a study in the UX and design process, and we are looking to feature our work as a physical installation.

My role in this project was primarily domain research, user testing, and visual design/implementation. Since the musicians we interviewed are based in NYC, after user testing with different audiences, I found that most people were drawn to a more eclectic, funky look that encapsulated the unique underground music scene present in NYC.



[https://drive.google.com/file/d/1pu9rojCYS27k9Nq9A9mzkc0GX4oTJ\\_sv/](https://drive.google.com/file/d/1pu9rojCYS27k9Nq9A9mzkc0GX4oTJ_sv/)

Tools: Adobe Photoshop, Adobe Illustrator, Figma





OCTOBER 2022

# LOGO DESIGN

I created a logo for a business based in Haleiwa, Hawaii. The Ukulele Site is an online store that sells ukuleles both in store and online from some of Hawaii's best luthiers. They also have a weekly podcast/video where they show sound samples and play new ukuleles featured in their store.

I made all the assets for this project myself in Photoshop, then assembled them together in After Effects to make a 5-second animation that the owners of the site would be able to display at the beginning of their videos on YouTube.

 <https://youtu.be/5mVVZb2oM8c>

*Tools: Adobe Photoshop, Adobe After Effects, Wacom Intuos Tablet*



NOVEMBER 2020 - JUNE 2022

# LAB SIGNAGE

My team created the Lab Signage tool to implement a cost-effective way of presenting laboratory safety posters on laboratory doors. Previously, FDA labs were spending at least \$10 on each poster for each laboratory at FDA facilities, and my team was looking to streamline and organize the data included in each poster.

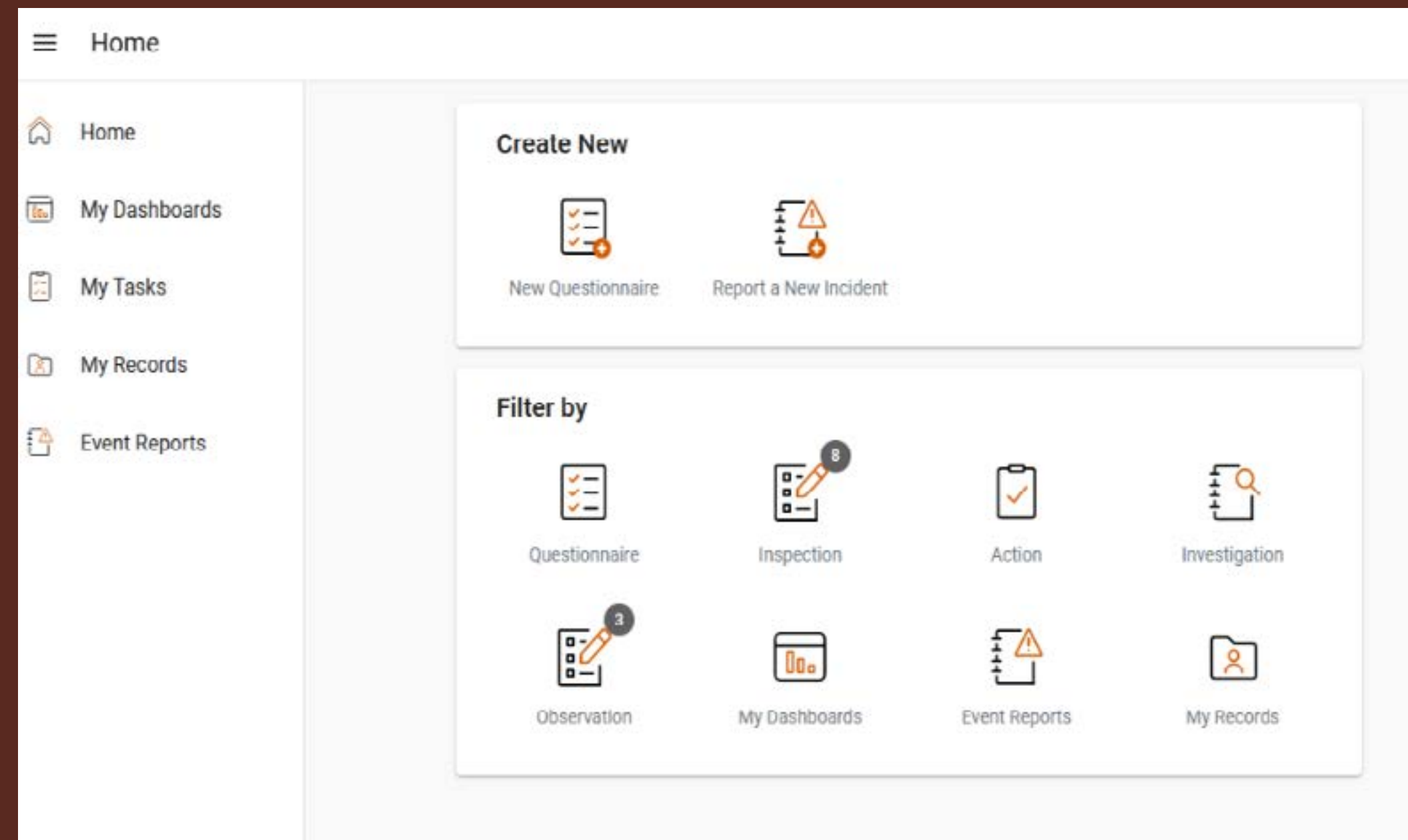
I created mockups for the aesthetics of the form that users would enter laboratory information in, and wireframed the look of the eventual poster after iterations based on client feedback. I conducted several rounds of user testing on the mockups and eventually implemented the designs in MS Access.

*Tools: MS Access, Photoshop, Figma*

JULY 2020 - JULY 2022

# ICIMS

The Inventory Control and Information Management System (ICIMS) was the main project I worked on at Booz Allen Hamilton while consulting for the FDA. On this project, I took on many roles - data scientist, visual designer, user experience manager, system tester, system analyst, and more. Following the agile method, my team successfully rolled out the Cority GX2 environmental health and safety software to the entire FDA.



I designed data dashboards, reports, and created style guides to foster the cohesion in aesthetics across the system. I also served as the Git manager to ensure our system was backed up at all times with the latest release. Additionally, I configured the front-end of the system, with a focus on Occupational Health. Our implementation involved a web application that I assisted with maintaining.

*Tools: HTML, JSON, Python, SQL, VBA, PowerBI, Cority*



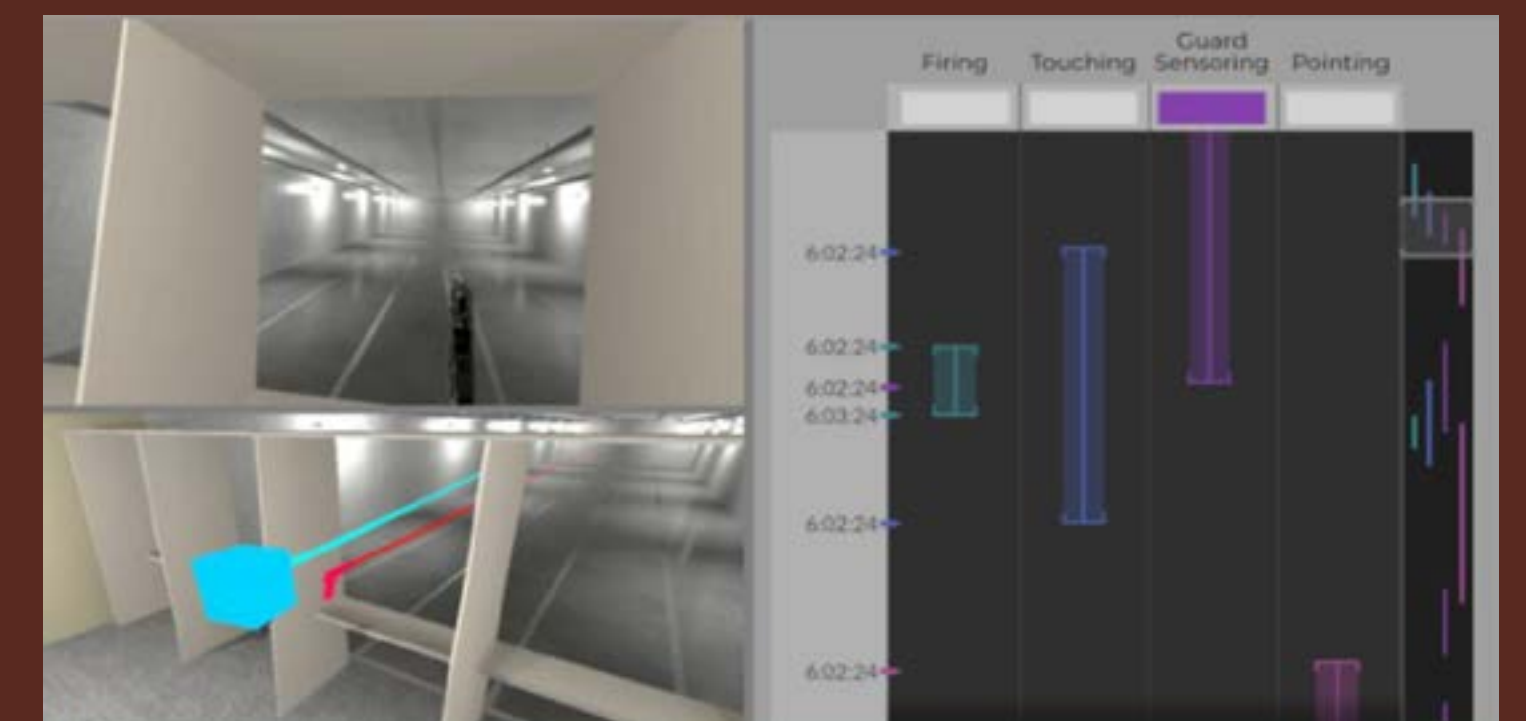
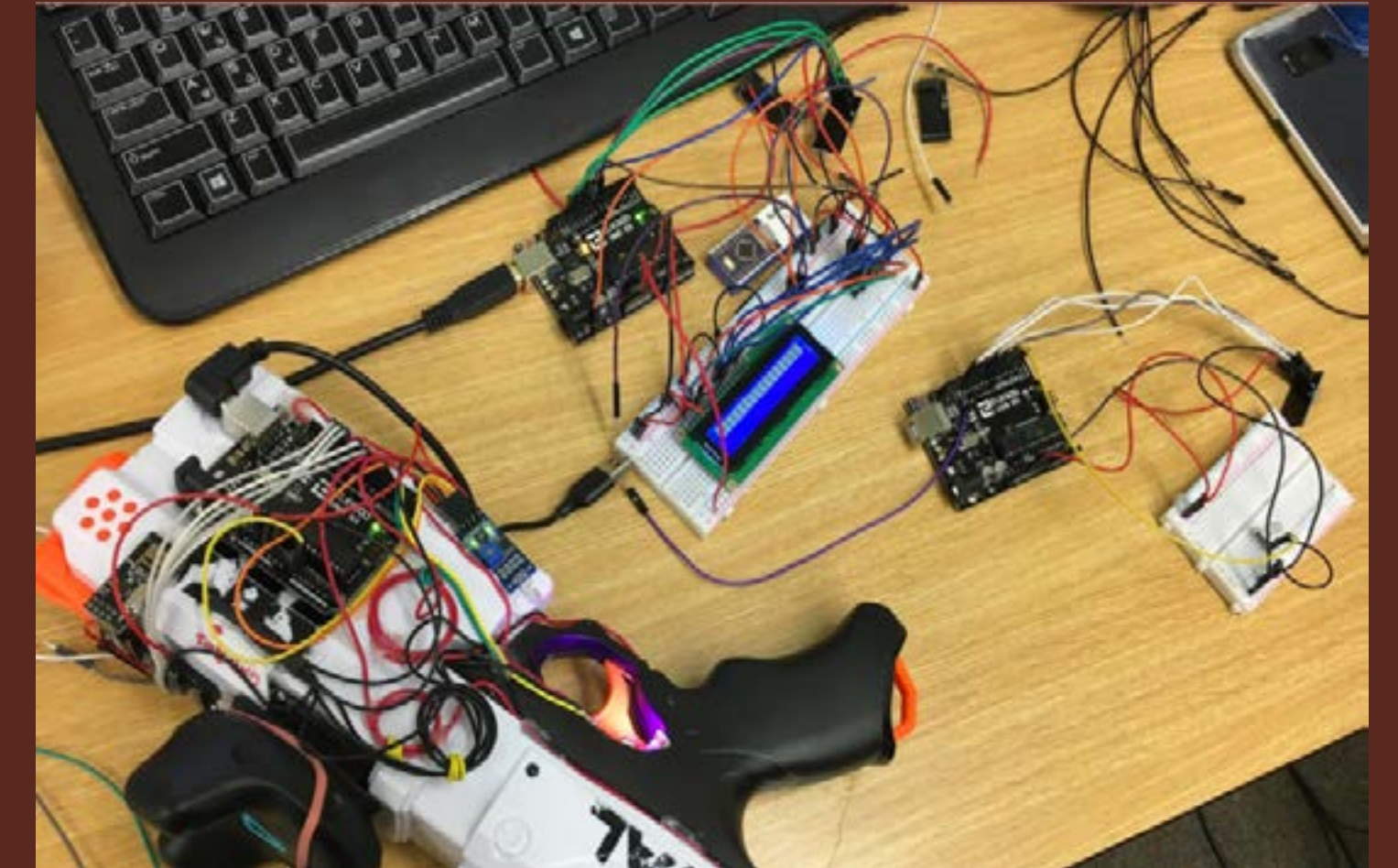
DECEMBER 2019 - MAY 2020

# CONDITION ONE

Condition One is a mixed reality research project that was created to assist with firearms safety training. The concept is based off Firearms Training Simulations, or FATS, but with a goal to make them more accurate and provide thorough feedback for both an instructor and a student.

I was a game programmer and visual designer on this project, and wrote much of the code that linked the Unity program to the Arduino. I wrote the code to interpret the data received from the Arduino and visualize it on the Unity side, and also designed the virtual environment that the user was in. My research partner, professor and I wrote a paper that is pending acceptance to journals in 2023.

*Tools: Unity 3D, Arduino, HTC Vive, SteamVR, Adobe Photoshop*







JUNE 2017 - DECEMBER 2019

# VR REHABILITATION

I created a game in virtual reality in collaboration with the Ithaca College Department of Physical Therapy who recognized the potential that VR has to benefit patients through therapeutic systems. This game helps those with vestibular disorders by simulating an exercise that these patients often perform in physical therapy.

As the game programmer on this project, I wrote the code to make the exercise work and provide feedback to the patient and the physical therapist. The game works by asking the user to focus on an object provided in game, then turn their head side to side until they meet a specific angle. This angle was decided upon by the physical therapists I collaborated with. My research partner and I were invited to share present our research at local, national, and international conferences.

*Tools: Unity 3D, HTC Vive, SteamVR, Adobe Photoshop*