

# Mingcheng (McCoy) Zhu

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## PORTFOLIO

### Agricultural Training Film

Shot on Canon 5D Mark III | Edited with Final Cut Pro ([2017](#))

Recorded our farming life and interesting activities during our school's week-long agricultural training, and edited these memorable moments into a short film.

### Blackboard Painting Time-lapse – 2017/2018

Shot on Canon 5D Mark II | Edited with Final Cut Pro ([2017](#) / [2018](#))

Took pictures of my classmates and I painting on the blackboard with a tripod and cable remote controller, and created two 4K time-lapse videos.

### Bubbles Game

Made with Processing ([2019](#))

Made a game using Processing that can be interacted with mouse and keyboard and has background music and sound effects. This is a version optimized for the web, so some features are not fully supported.

### Courses Info App

Developed with Xcode ([2019](#))

Designed and developed a fully functional app that is able to store and modify courses using information Xcode and SwiftUI. The app can be loaded directly onto any iOS device running iOS 13 or higher.

### Cover Design

Designed with Affinity Designer ([2018](#))

Worked with members of the Roots & Shoots Club at our school and designed the cover for one of their brochures featuring the plants on our school campus.

### International Week Logo

Designed with Affinity Photo ([2016](#))

Designed a logo for the 30th International Week, a long-established event our school holds each year, which had a theme of "Edification" in the year of 2016.

### Interview Adventure Game Design

Designed with Adobe XD ([2019](#))

Designed an adventure game about getting an imaginary NYU Tandon student to an interview at the Washington Square Campus on time. The game uses visual elements and unexpected storyline to exaggerate the misery of living and dining at the Brooklyn campus.

### Menu

Designed with Adobe InDesign ([2019](#))

Designed a menu for a fictional dinner using spacing, font weight, color, and alignment to create hierarchy.

### Military Training Film

Shot on Canon 5D Mark II | Edited with iMovie ([2016](#))

Recorded our training and interesting activities during our school's two-week-long military training, and edited these memorable moments into a short film.

### Music App Design

Designed with Sketch ([2019](#))

Designed a music finding app that provides a more streamlined user experience. The user would be able to like or dislike a song with a simple taps and swipe through the recently played songs.

## **Photography**

Shot on Canon 5D Mark II | Edited with Affinity Photo ([2017](#))

Took a photo past midnight on my way home after a day of hard working and surprisingly found that many others were just rushing back home as well.

## **Playing Cards**

Designed with Adobe Illustrator ([2019](#))

Designed a full deck of playing cards based on the theme of “things that fly.” Printed on cardstocks and used paper trimmer and corner rounders to create the rounded shape of the cards.

## **Relter Alarm App Design**

Designed with Principle ([2016](#))

Designed an alarm app when doing a social research focusing on women’s security. This app is intended to send a silent alarm to the authorities if the user feel they are in danger. This is my first attempt in UI design.

## **Relter Logo**

Designed with Affinity Photo ([2016](#))

Designed a logo to promote our social research team, which focused on people’s awareness of women’s security in our society. We named our team “Relter,” which is a combination of “Red” — a symbol of the feminine gender — and “shelter.”

## **School Emblem**

Made with Affinity Photo ([2016](#))

Completely recreated our school emblem digitally, before which there was only a distorted, low-res bitmap of our school emblem available. Has been used in multiple occasions ever since.

## **School Website Design – Desktop/Mobile**

Designed with Sketch ([2017](#) / [2017](#))

Created a new concept of our school’s website, which is much more modern, vibrant, and user-friendly for students and faculty members. Also added mobile devices support — something that has been missing in our official website right now.

## **Toolbox Web App**

Made with Javascript ([2019](#))

Made a web app using Vanilla Javascript, p5.js, and CSS that can search for weather forecast in a specific location and generate multifunctional QR codes. It has localization for multiple languages and supports dark mode. The whole web app is designed with accessibility in mind and can be navigated using keyboards only.

\*Additional work samples are also available on [Bilibili](#) and [Youku](#).