

# Portfolio

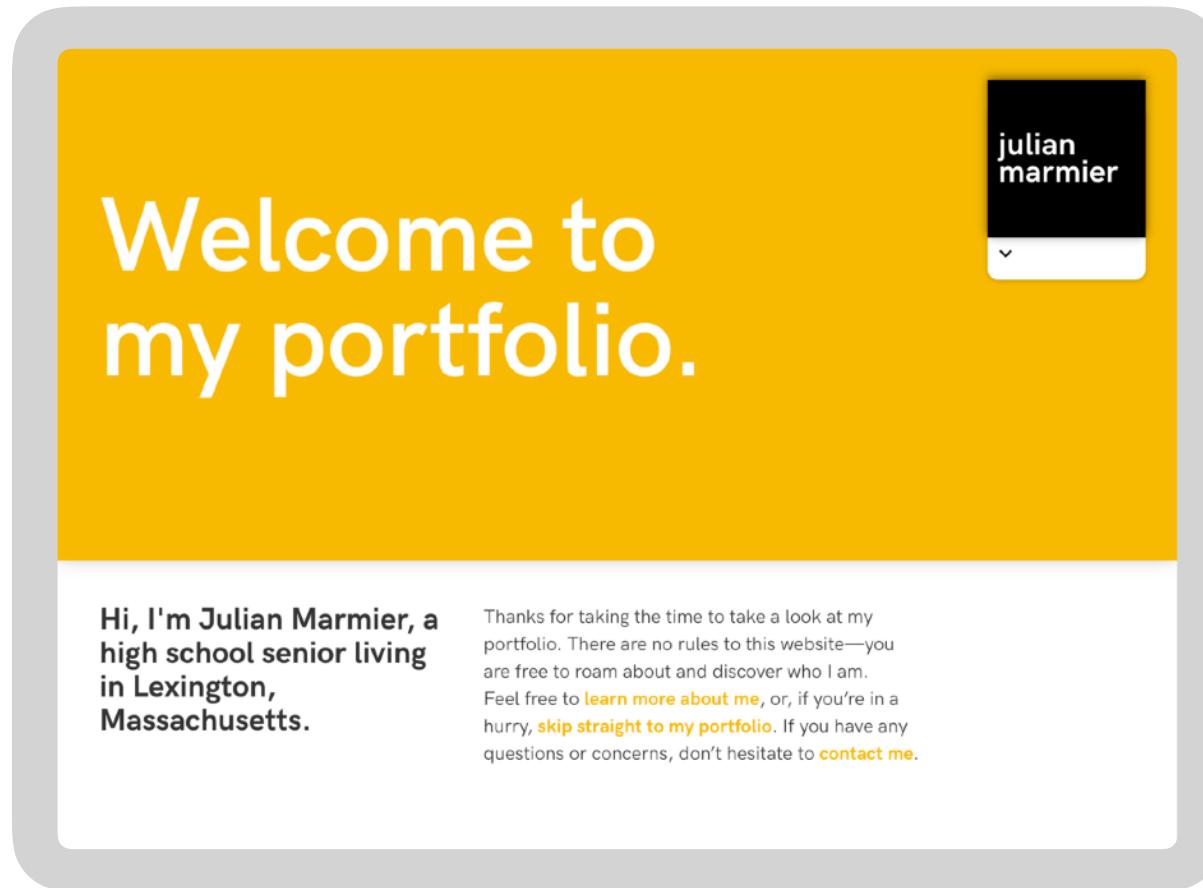
julian  
marmier

a collection of some of the  
projects I'm most proud of

see it all at [julianm.tk/#portfolio](http://julianm.tk/#portfolio)

# My Online Portfolio—[julianm.tk](https://julianm.tk/)

Although it may not seem like art, I consider my online portfolio somewhat of a functional piece of art. I built it from scratch using HTML, CSS, and JavaScript/CMS Libraries (React, GatsbyJS, and Strapi). I'd always felt like I needed a website, not just to showcase work, but also so that I have something to give people if they ever ask, like an online resumé. One day, an idea for a layout popped up in my head, so I suddenly opened a word processor and started putting together a draft. I was surprised in the end by how accurate the actual site was compared to the static draft.



Hi, I'm Julian Marmier, a high school senior living in Lexington, Massachusetts.

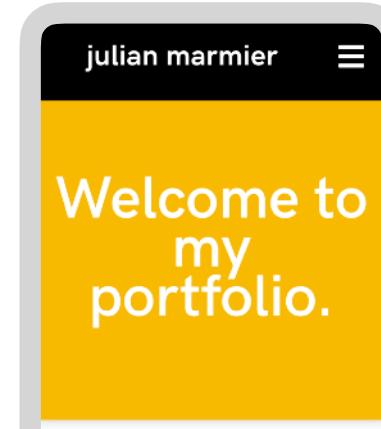
Thanks for taking the time to take a look at my portfolio. There are no rules to this website—you are free to roam about and discover who I am. Feel free to [learn more about me](#), or, if you're in a hurry, [skip straight to my portfolio](#). If you have any questions or concerns, don't hesitate to [contact me](#).

## Julian Marmier | Portfolio

Webpage, electronic

*Work in progress* — Last updated 3/10/2020

<https://julianm.tk/>



Hi, I'm Julian Marmier, a high school senior living in



# About Me

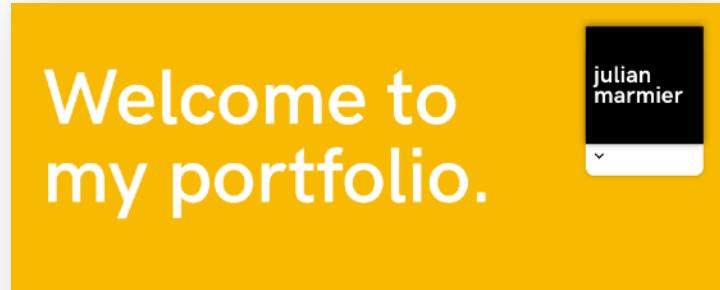
## Who I Am

I grew up in Boston until I moved to Shanghai, China at the age of 9, in 2012, where I learned to speak Mandarin and had the chance to explore an entirely different part of the world. My parents are both Swiss, but I'm also American and have been part of both the French and American school systems. I've swam competitively since I was 10, and am currently in my school's Varsity team.

## My Interests

Ever since I was four, I've always been passionate about two things—computers and design. Today I like to blend both of those together as much as I can, and am part of a FIRST Tech Challenge robotics team, the [Lexington Legoheads](#), where I lead work on the Engineering Notebook. Something I also enjoy is making videos, even though those that I make are for school.

Original Design (using word processor) → Actual Design (HTML)



Hi, I'm Julian Marmier, a high school senior living in Lexington, Massachusetts.

Thanks for taking the time to take a look at my portfolio. There are no rules to this website—you are free to roam about and discover who I am.

Feel free to [learn more about me](#), or, if you're in a hurry, skip straight to [my portfolio](#). If you have any questions or concerns, don't hesitate to [contact me](#).

## About Me

### Who I Am

I grew up in Boston until I moved to Shanghai, China at the age of 9, in 2012, where I learned to speak Mandarin and had the chance to explore an entirely different part of the world. My parents are both Swiss, but I'm also American and have been part of both the French and American school systems. I've swam competitively since I was 10, and am currently in my school's Varsity team.

### My Interests

Ever since I was four, I've always been passionate about two things—computers and design. Today I like to blend both of those together as much as I can, and am part of a FIRST Tech Challenge robotics team, the [Lexington Legoheads](#), where I lead work on the Engineering Notebook. Something I also enjoy is making videos, even though those that I make are for school.

two

2

# World Languages at LHS

My German teacher noticed that I had an interest in graphic design and commissioned me to create a large banner for the World Languages building at my school, featuring all of the languages at school. As soon as I started putting images together, I could already roughly picture where everything would go—individual languages in an elliptical mask, with a globe in the reuniting all the languages with landmarks. The background of the poster was inspired by a sunset, a pink-orange gradient that I rather liked. Of course, I didn't have time to make all of the vector images myself—sources are on the next page!

## World Languages at LHS

Ink on copy paper  
October 2019





▲ The design in its digital form

### Vector Image Sources

Freepik | Vecteezy | Macrovector | Rawpixel | nimpsher.deviantart.com  
Alvaro Cabrera | GstudioImagen | Vectorpocket

# CAD Render of 3D Robot

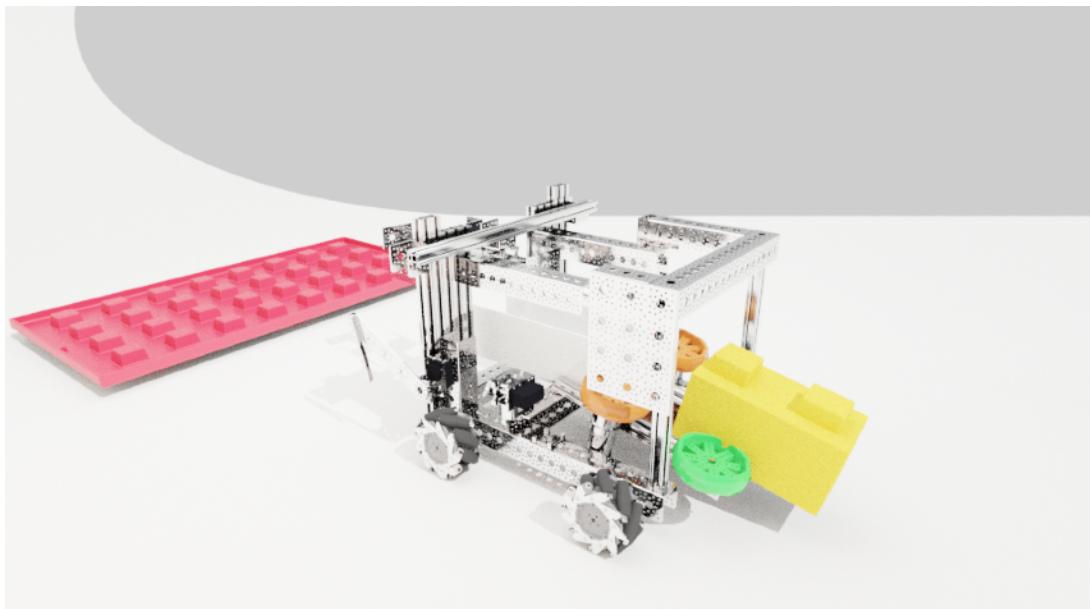


**Legoheads Chassis V4 Render**

Electronic  
February 2020

Among other things, I manage all the rendering and animation for my robotics team, the **Lexington Legoheads**. With the help of my digital arts teacher and about 20 tutorials online, I spent about 10 hours figuring out how to use Blender and rendering a robot complete with shaders. I also made a short animation using basic keyframes, which was surprisingly similar to 2D animation software like After Effects. Watch the video here: <https://youtu.be/o44oXrlgEQM>.

I'm currently working on a longer animation that we will use to show our robot at the FIRST World Championship in Detroit.





four

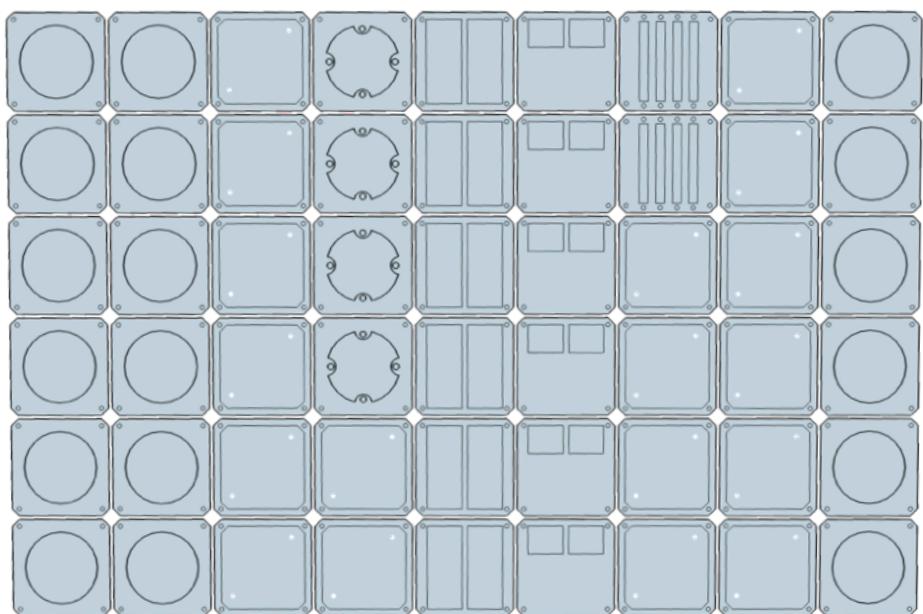
4

## MIT Museum Studio – Demo Lights

---

### RGBW Studio Lamps

Electric components in acrylic frame  
July 2019



In the summer of 2019 I helped out at the [MIT Museum Studio and Compton Gallery](#) as an intern, a studio for students of the Art in Vision and Neuroscience and Paranormal Machines class at the Massachusetts Institute of Technology.

In preparation for the upcoming school year, I was asked to make a complete version of a makeshift demo light that had already previously been produced, which used LED RGBW chips, a LUXDrive FlexBlock, and a few slide potentiometers. We had initially planned on 3D printing the model, but it was later deemed too expensive, so instead we used layered laser-cut pieces of acrylic locked in place with large threaded wires. After a few more hours of planning and measuring, I was able to figure out a way for the parts to fit, using a modular plate system, and assembled these lights.

five  
**5**

# Class Council Poster – Car Wash

## LHS Car Wash

Published electronically  
May 2019

The president of our class's Council asked me to make posters for events that the Class Council was organizing. One that I'm rather proud of is this one, the Car Wash poster, as its design is minimalist yet clean. I was mostly inspired by Swiss design, as it focuses on text and lines.



The poster features a minimalist design. At the top, the letters "LHS" are in a small black font above the word "Car" in large blue letters. To the right of "Car" is a black silhouette of a car's front view with eyes and a mouth. Below "Car" is the word "Wash" in large blue letters. A white shower head icon is positioned between "Car" and "Wash". The background has a blue horizontal band across the middle. Below the text area, there is a dotted line followed by promotional text and logos.

**LHS**  
**Car**  
**Wash**

**Saturday May 4<sup>th</sup>**  
**8AM – 4PM**

**Belmont Car Wash & Detailing**  
**521 Trapelo Road**  
**Belmont MA**

.....

**Use this flyer to get \$5 off an express detail**

.....

 X 

**Proceeds benefit LHS Class of 2020**

# 6 ECLO Consulting – Logo

---

A family friend asked me to design a logo for his luxury consulting brand. My design process for logos is usually pretty simple—I draw a shape, and then another, and if I'm satisfied with the design I'll move on and create a different type of logo. In this case, I liked the idea of two circles, as it not only resembled a watch, an industry to which my client was attached, but also because it represents a sort of eclipse between two entities, similar to how a consultant connects business with solutions. As shown below, there were quite a few different designs that I had brainstormed and shown to my client before he chose final one.

## **ECLO Consulting**

Electronic  
November 2019



client preferred



EC  
LO

ECLO

ECLO

ECLO

ECLO

ECLO

ECLO

LUXURY CONSULTING

**ECLO**  
is a luxury consulting  
firm that puts **your needs**  
**first**

ECLO ECLO

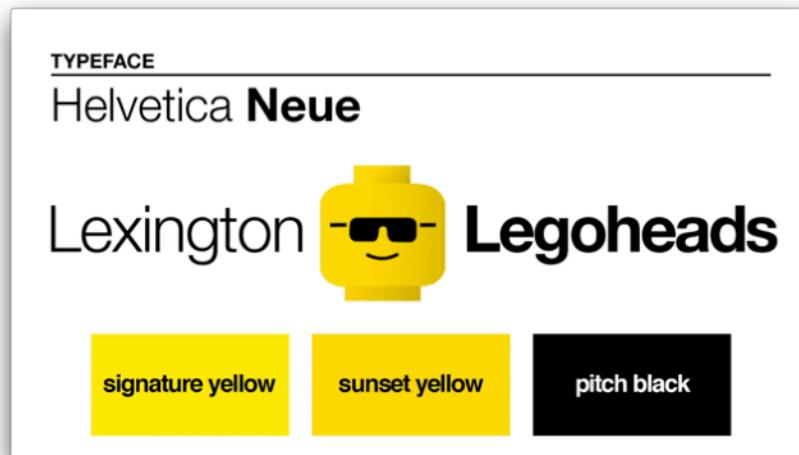
The preliminary designs I  
presented to my client, who  
preferred the top-left one.

# Studio 11251 – Branding

As a means of reaching out to other teams in the robotics community, our robotics team made videos where we explain what we do on the team. The video I created mentioned our team's strong branding and explained how our team's logo defined our entire branding. What I consider to be "creative" in this video is the animation and editing it took. Since I don't do enough video editing, it's pointless for me to buy After Effects or Final Cut Pro, so instead I used Photoshop to make the animation. The interface was pretty basic, but I was able to make a pretty cool animation, and then put together the video using iMovie.

## Branding – Studio 11251

Video, electronic  
November 2019



Click the link to open the video  
<https://youtu.be/pdMTdrEoLU8>