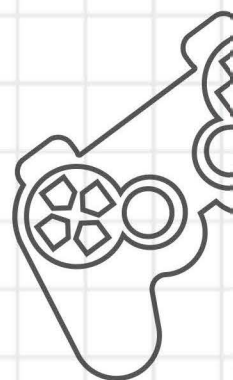
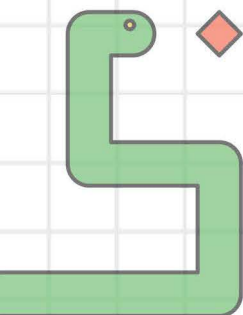
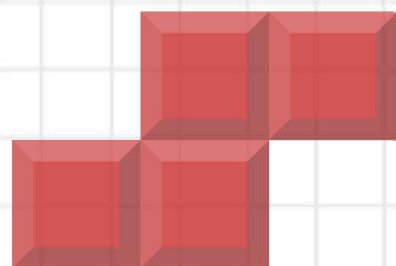
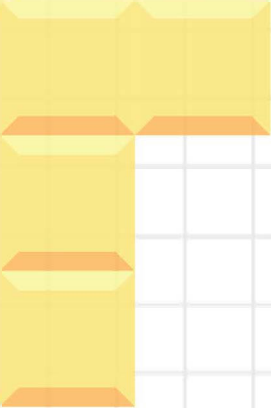


# SciLi Tetris/Games

KAZEN GALLMAN '24

DAVID CHEN '24



# Goal

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**Our goal** is the largest Brown LED Art Installation since 2000. This would serve as both the **24th** anniversary to Tech House's [La Bastille](#) Project, along with being a celebration of the class of **24**

Compared to today, the tech involved was very old and inaccessable.

This new version will be safer and reproducible. Featuring new color options, and more importantly **new games**

Just like how a library celebrates and shares knowledge with the world.

We want to do the same for science, technology, and art. The epiphany of that is games.



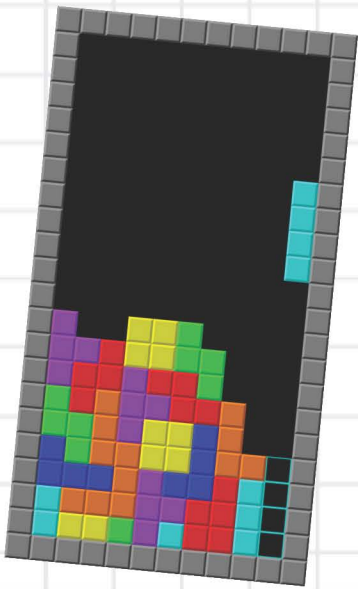
**La Bastille 2000**

There are few chances in ones live to inspire and celebrate this medium through such a large canvas

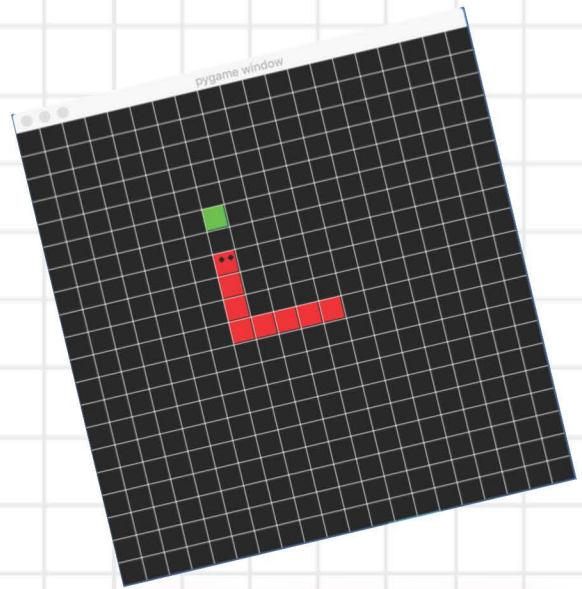
# Features

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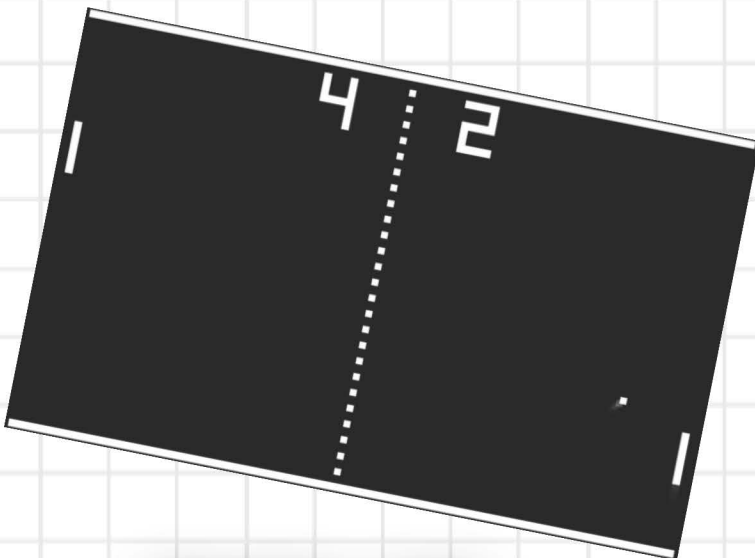
The project in 20 years ago only had Tetris and one color option, but for ours we are proposing 4 main games with complete color control



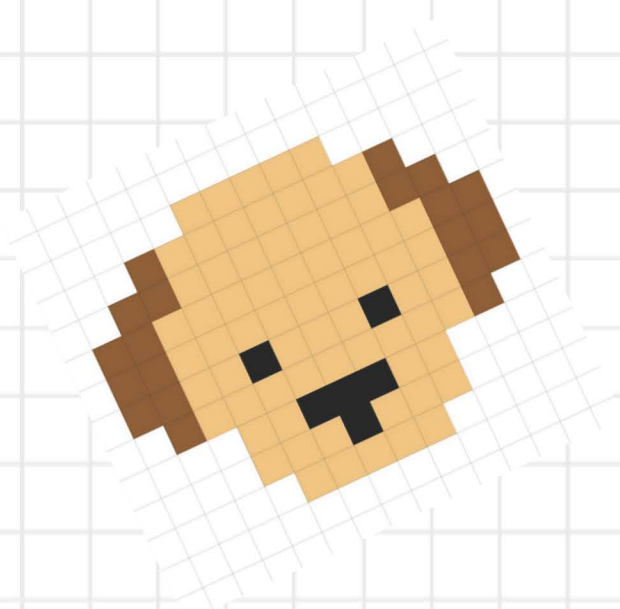
TETRIS



SNAKE



PONG



CANVAS



# Progress

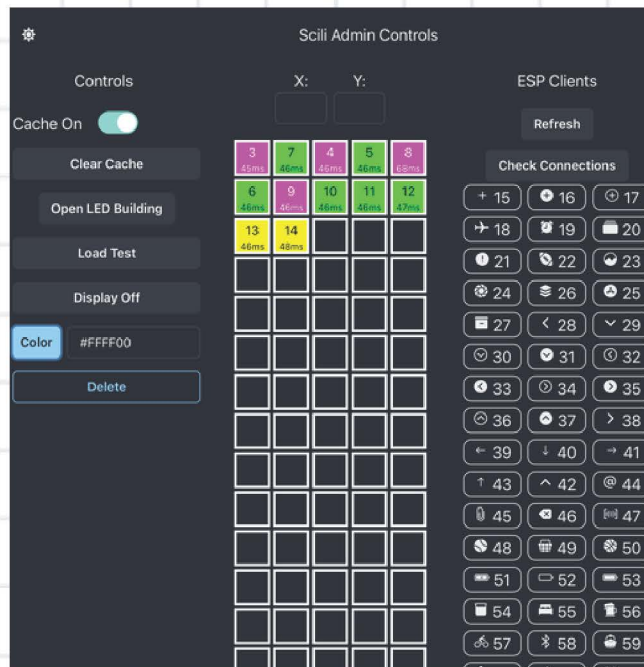
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All the pieces are here! LED Lights have been tested at a small scale (with large-scale simulations) and can be controlled remotely!

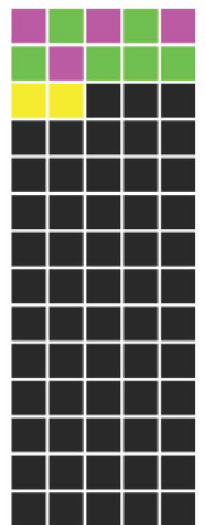
All that's left is to test physically at a larger scale!



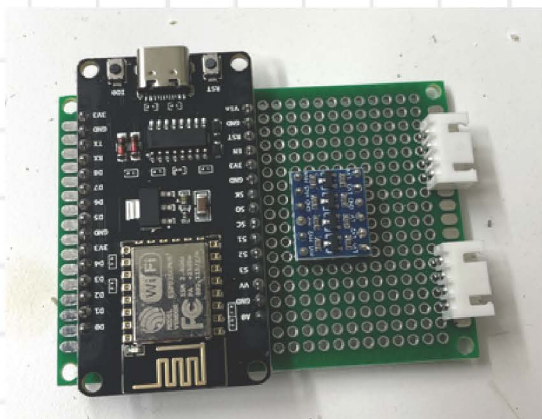
Complete Miniature  
LED Model



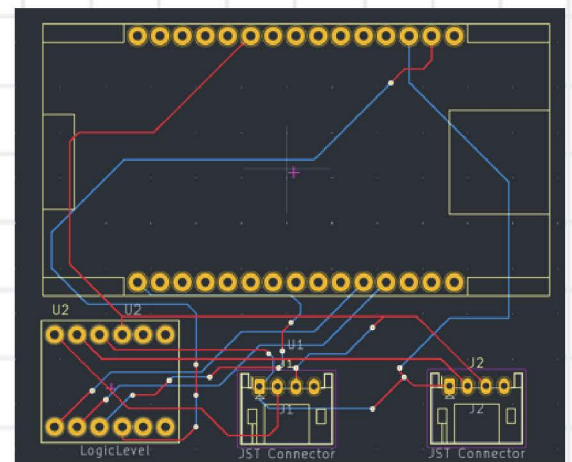
Extensive Admin  
Control System



Large Scale  
Simulation  
Software



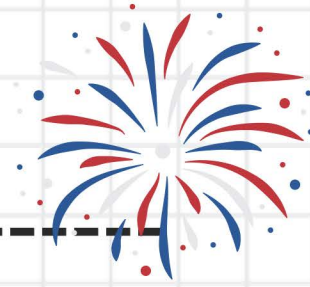
Wifi LED Control Prototypes



Ready to Order Custom PCB

# Purpose

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**This project is meant to be a celebration of the accomplishments of the class of 2024.**

We also want to celebrate the anniversary of the original project. Our class was inspired by this project, and being able to celebrate its anniversary on our graduation allows us to come full circle

We have been talking, planning, and growing our skills to make this project happen for the past 2 years. We feel like the senior class deserves a proper sendoff after dealing with the challenges of COVID-19, and the SciLi Tetris project would be a fantastic conclusion to our undergraduate journey.

The project is designed to be modular, reusable, and maintainable. Beyond celebrating the class of 2024, we think it would be great to put this project on display for future students. We want this project to continue to inspire students like it did for us.

**Thank You!**

Kazen Gallman '24

David Chen '24

