



# JUSTIN ELLI

Portfolio – March 2021

<b>LOGOS</b>	<b>1</b>
Mexico Bariatric Center	2
Six Sigma	2
Screen Limit	3
Arnov	3
<b>PHOTOS</b>	<b>4</b>
Lights Out	5
Fireworks	6
Pebbles on the Beach	7
<b>GRAPHICS</b>	<b>8</b>
Libertarian Party of EDC Flyer	9
Mexico Bariatric Center Obesity Infographic	10
<b>DOCUMENTS</b>	<b>11</b>
Electromagnetism	12
Screen Limit User Manual	13
Cover Page and Table of Contents	
<b>PRESENTATIONS</b>	<b>16</b>
Screen Limit Presentation 1	17
Screen Limit Presentation 2	20
WORM vs. WORM	23
Knoba (A Project in Knowledge-Based Agency)	25

# LOGOS

I haven't made very many logos, but I do have a few that I believe are worth sharing. As will be a theme throughout the entire portfolio, I prefer to use a minimalistic style.



## Mexico Bariatric Center

The most professional of my logos has to be the one I made for Mexico Bariatric Center. This company performs weight-loss surgery in Mexico and has been one of the leaders in medical tourism since its inception in 2010.



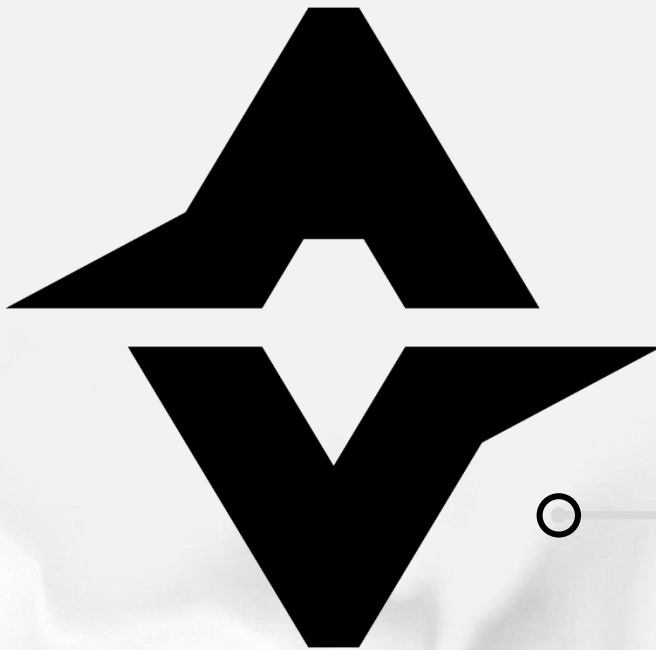
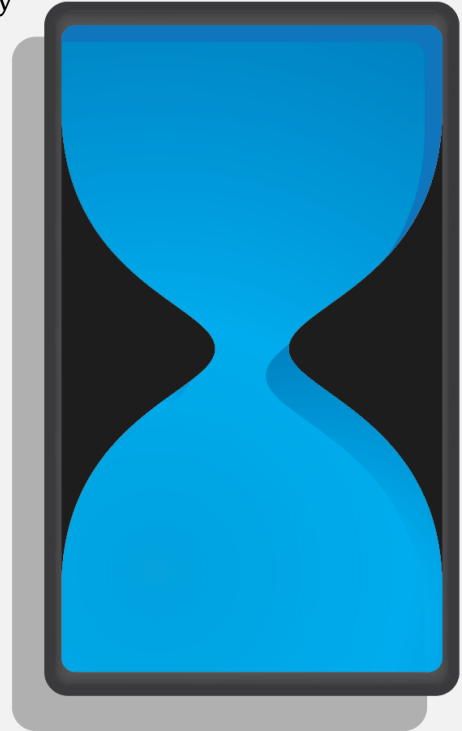
## Six Sigma

While this logo is less professional, it is one of my favorites. Six Sigma was an e-sports team for the game Overwatch. Aligning the “sigma” symbol with the hexagonal base was the most difficult part of this particular project, but the end result was well worth the struggle.



## Screen Limit

This logo was made for my senior project, a mobile application designed to help users limit their screen time. This logo is a bit more complex than the others I've made but it is one of my favorites.



## Arnov

Arnov is the ID a friend of mine uses for music production. Upon changing his ID to Arnov, I volunteered to design his new logo. I ended up with a few ideas and had him choose his favorite. I forgot which one he chose, so here's one of my favorites.

# PHOTOS

I'm not an expert in photography, but I have taken enough photos that a few show through.





## Lights Out

One night, the power in my neighborhood went out for a few hours. I took this opportunity to go out and take some once-in-a-lifetime photos



## Fireworks

Some photos I took of Fourth-of-July fireworks.



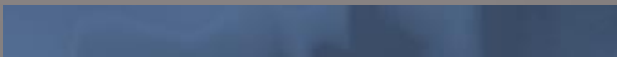


## Pebbles on the Beach

Here's a photo I got on a beach in San Diego during sunset.

# GRAPHICS

I've compiled a few graphics for others.  
Here are my best so far.



## Libertarian Party of EDC Flyer

Here is a flyer I made for a mixer put on by the Libertarian Party of El Dorado County. I really think the added blur made everything come together.

The flyer has a yellow header section and a dark grey body section. The header contains the Libertarian Party of El Dorado County logo (a silhouette of the Statue of Liberty's head and crown inside a circle) and the text "Libertarian Party of El Dorado County". Below this is an "@" symbol, followed by "THE BREAKROOM" logo, which includes a stylized "B" inside a square frame and the tagline "WHERE FOOD MEETS FUN ■ SHINGLE SPRINGS, CA". The body section contains the event details in white text: "A MIXER TO GATHER FOLKS INTERESTED IN LIBERTY AND FREEDOM", "COME JOIN OTHER LIKE-MINDED MEMBERS OF THE COMMUNITY", "SEPTEMBER 15, 2017", "4131 SOUTH SHINGLE ROAD, #7", "DOORS OPEN 5:30 SPEAKERS AT 6:30", and "APPETIZERS WILL BE PROVIDED | DONATIONS APPRECIATED". At the bottom, it lists social media handles: "ELDORADOCOUNTYLP" with a Facebook icon, "THEBREAKROOM530" with a Twitter icon, "ELDORADOLP" with a Twitter icon, and "EDCLP.ORG" with a globe icon, followed by "BREAKROOMEATERY.COM".

 **Libertarian**  
Party of El Dorado County

@

 **THE BREAKROOM**  
WHERE FOOD MEETS FUN ■ SHINGLE SPRINGS, CA

**A MIXER TO GATHER FOLKS  
INTERESTED IN LIBERTY AND FREEDOM**

---

**COME JOIN OTHER LIKE-MINDED  
MEMBERS OF THE COMMUNITY**

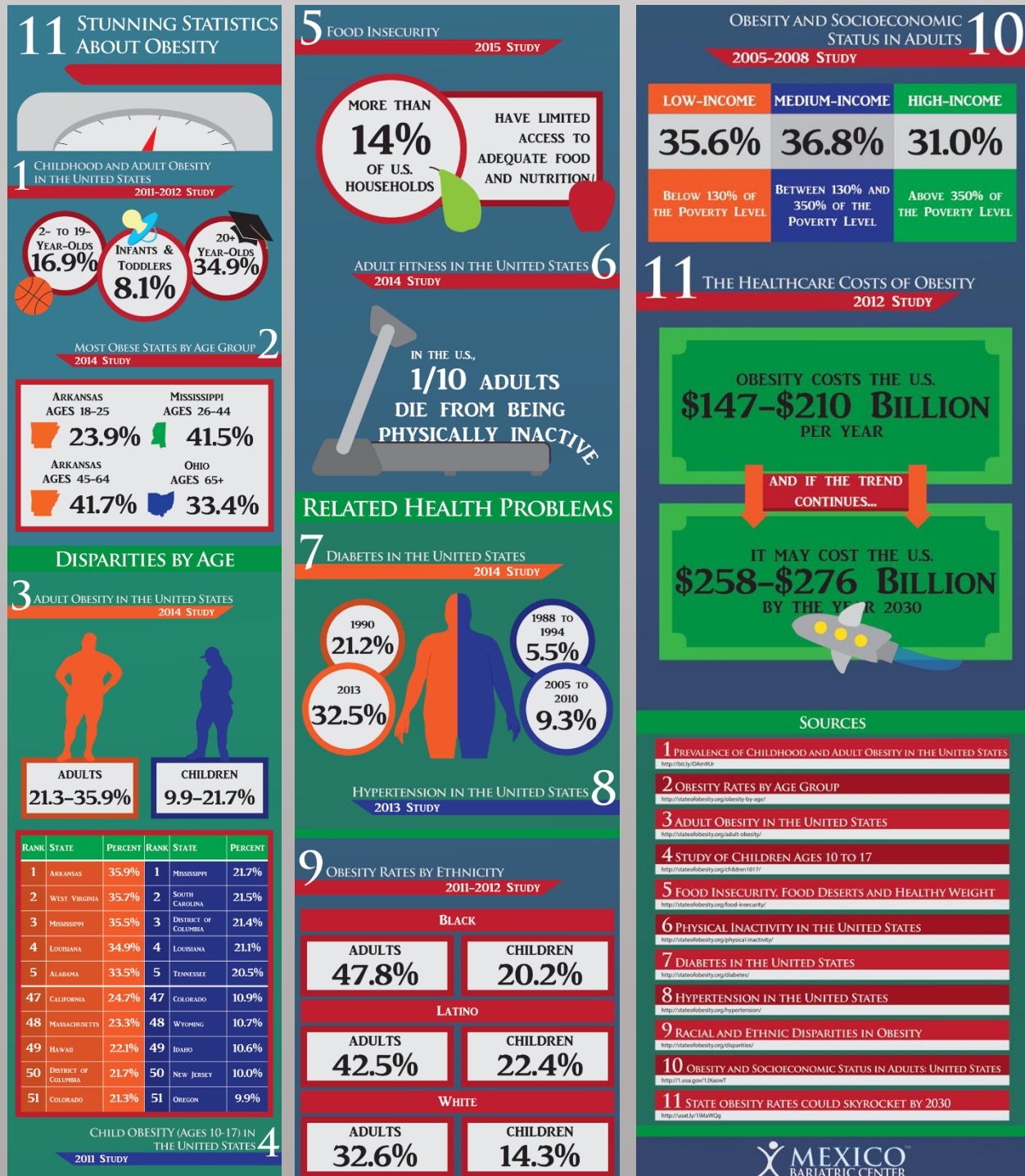
**SEPTEMBER 15, 2017**  
4131 SOUTH SHINGLE ROAD, #7

**DOORS OPEN 5:30 SPEAKERS AT 6:30**  
APPETIZERS WILL BE PROVIDED | DONATIONS APPRECIATED

ELDORADOCOUNTYLP  THEBREAKROOM530  
ELDORADOLP  THEBREAKROOM530  
EDCLP.ORG  BREAKROOMEATERY.COM

# Mexico Bariatric Center Obesity Infographic

Here is something else I made for Mexico Bariatric Center. This infographic took me a while as I created all the individual graphics from scratch, and I really like the end result.





# DOCUMENTS

I consider myself an expert in the very application I used to design this portfolio – Microsoft Word. I have made a lot of great document designs, so the ones shown here are some of my peak works in design overall.



# Electromagnetism

For my class in electromagnetism, I designed a document template to use for lab work. It was such a great design that I used it for my other classes that semester as well as in more recent classes. Here are some elements from that design.

[ Title ]

Lab 8

PHYS 421

Capacitors

October 9, 2017

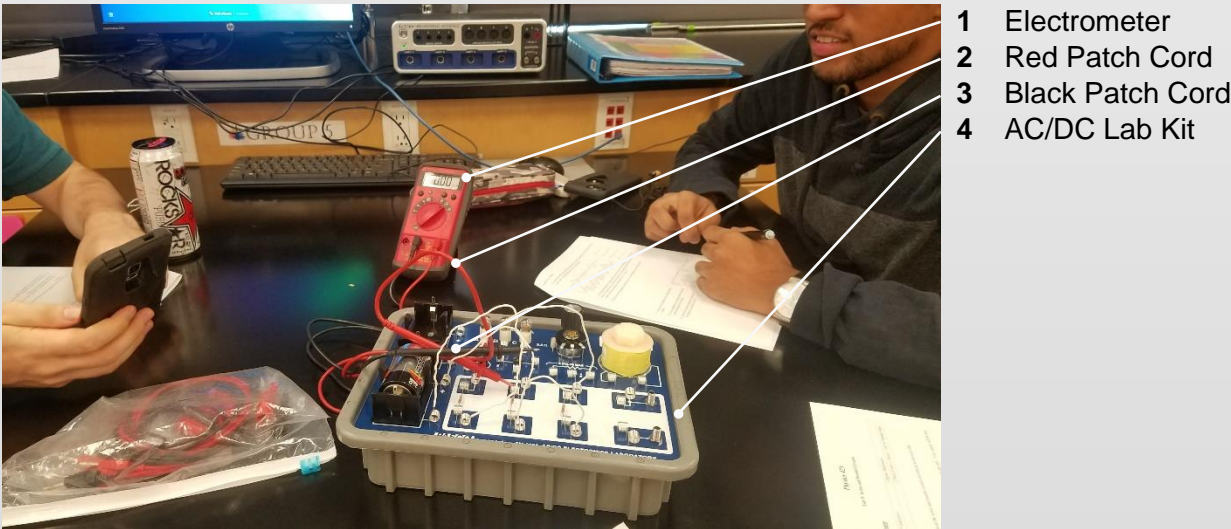
Justin Elli

[Lab Member 2]

[Lab Member 3]

[Lab Member 4]

[ Diagram ]



[ Table ]

Measurements/Calculations			
Battery	$R_1 = 100\text{ k}\Omega$	$R_2 = 10\text{ k}\Omega$	$\Delta V_f$
1.61 V	98.2 k $\Omega$	100 k $\Omega$	1.595 V
100 $\mu\text{F}$ Capacitor	330 $\mu\text{F}$ Capacitor	470 $\mu\text{F}$ Capacitor	
39.7 $\mu\text{F}$	444 $\mu\text{F}$	490 $\mu\text{F}$	

# Screen Limit User Manual

## Cover Page and Table of Contents

Here is another bit of design I did for my senior project. The cover page was designed based on the app logo and is meant to look like a textbook cover.

# *Screen Limit* User Manual

*Product Owner*  
[Product Owner]

*Team [Team Name]*  
Justin Elli  
[Team Member 2]  
[Team Member 3]  
[Team Member 4]  
[Team Member 5]

Version 0.2  
December 2, 2020

## Table of Contents

1	Introduction	1
2	Account Creation/Access	2
2.1	Create a permanent account	2
2.1.1	Select preferred method	2
2.2	Log in to permanent account	3
2.3	Create a temporary account	
2.3.1	Sign up for time trial	
2.3.2	Resolve time trial	
2.4	View more information about the app	
3	Control of Monitored Application List	
3.1	Select/view which apps you would like monitored	
3.2	Set allotted time for selected apps	
4	Preferred Method	
4.1	Respond to guilt-method activation	
4.2	Respond to strict-method activation	
4.3	Respond to reflection-method activation [To Be Implemented]	
5	Settings	
5.1	Change username	
5.2	Change password	
5.3	Update email address	
5.4	Change preferred method	
6	Usage Report	
6.1	View usage report	
7	User Permission Agreement	
7.1	Accept user permission agreement	
7.2	Cancel user involvement	

# PRESENTATIONS

I am as good at Microsoft PowerPoint as I am at Word, if not better. While Word involves a lot of specialized automation techniques, an expert PowerPoint presentation can include difficult-to-make animations and a carefully-abridged version of what's being presented orally. The presentations shown here are my most prized works in design.



# Screen Limit Presentation 1

Screen Limit was a two-semester project. At the end of each semester, I put myself in charge of designing the final slides for the team's presentation. Here are the first semester's slides. Both semesters' slides are static for the purpose of sharing and presenting them easily as a group.

Screen Limit  
[Team Name]

[Presenter 1]

| Justin Elli

| [Presenter 3]

| [Presenter 4]

| [Presenter 5]

5/04/2020

CSc190 Oral Presentation, Spring2020

1

Current Presenter:  
Justin Elli

### 3 The Solution

#### Strict

Limit screen time so the user can spend time on more productive things.

#### Reflection

Have the user reflect on their day so they can be mindful moving forward.

#### Guilt

Educate the user about cell-phone addiction and possible alternatives.

#### The Idea

- Start with a trial period.
- User chooses a method to move forward with.

5/04/2020

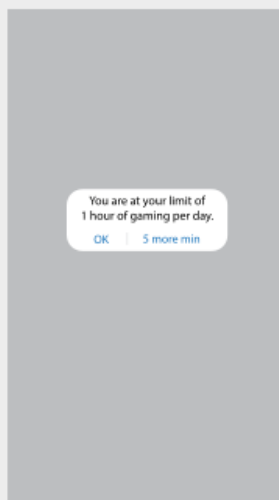
CSc190 Oral Presentation, Spring2020

4

Current Presenter:  
[Presenter 3]

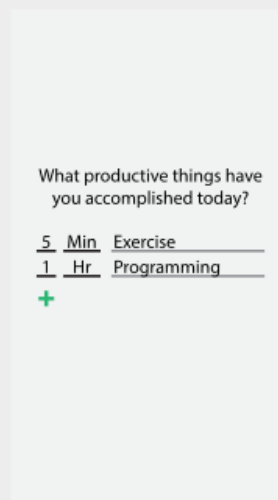
### 5 Demo – Part I Prototypes

Strict



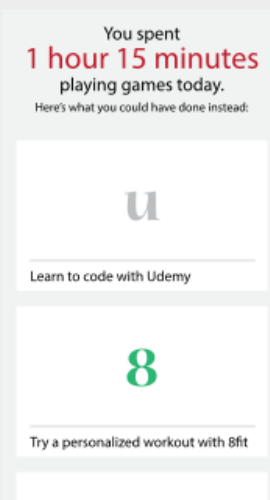
5/04/2020

Reflection



CSc190 Oral Presentation, Spring2020

Guilt



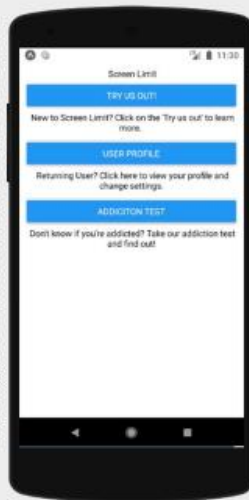
8



Current Presenter:  
[Presenter 4]

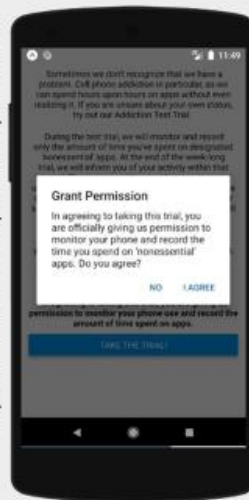
## 6 Demo – Part II UX / UI Design

Starting screen with initial feature selections.



5/04/2020

Explains trial and accepts user's permission.



CSc190 Oral Presentation, Spring2020

Selection method for monitoring app usage.  
Guilt, Reflection, or Strict



10

Current Presenter:  
[Presenter 4]

## 6 Demo – Part II Application Behavior Schemes

### Strict

**Structure** When enabled, upon exhausting App usage, will present the user with productive tasks or personal development.

**Method** "Hello! You have used your allotted leisure app time, please go study!"

**Goal** To enforce a more productive way of life through higher App control.

12

# Screen Limit Presentation 2

While I am proud of how the slides from the first semester's work turned out, I am particularly satisfied with the latter semester's slides as they reflected the app's design much more closely.



***Screen Limit***  
[Team Name]

## 2 Requirements

Current Presenter:  
Justin Elli

User can

- Make a profile to have access to features designed to help with their phone addiction.
- Select the apps they would like to have monitored/observed.
- Determine which method they would like to use to help them use their phone less. These methods come in four different varieties: Monitor, Guilt, Strict, & Reflection.
- At any time, update their preferences, including email, password, apps to be watched, desired method, or their displayed username.
- Have a clear idea of how much time they actually spend on their selected apps.

11/25/2020

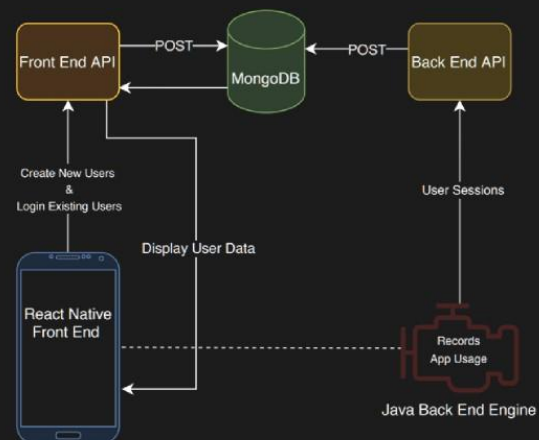
CSc191 Oral Presentation, Fall2020

3

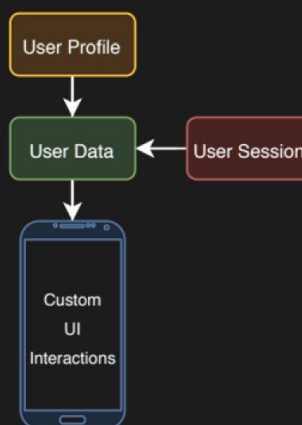
## 3 Design Architecture

Current Presenter:  
[Presenter 2]

### Software Architecture



### User Data Model



11/25/2020

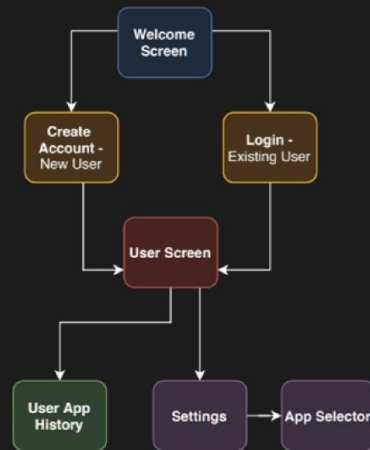
CSc191 Oral Presentation, Fall2020

5

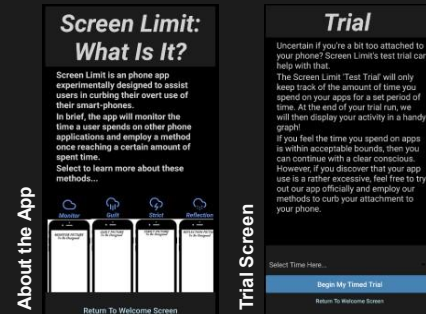
### 3 *Design* UI + UX Demo

Current Presenter:  
[Presenter 3]

#### Base UI



#### Additional Screens



This is the main **User Experience (UX)** in which the user will either create a new account or log in to take advantage of our app's key features.

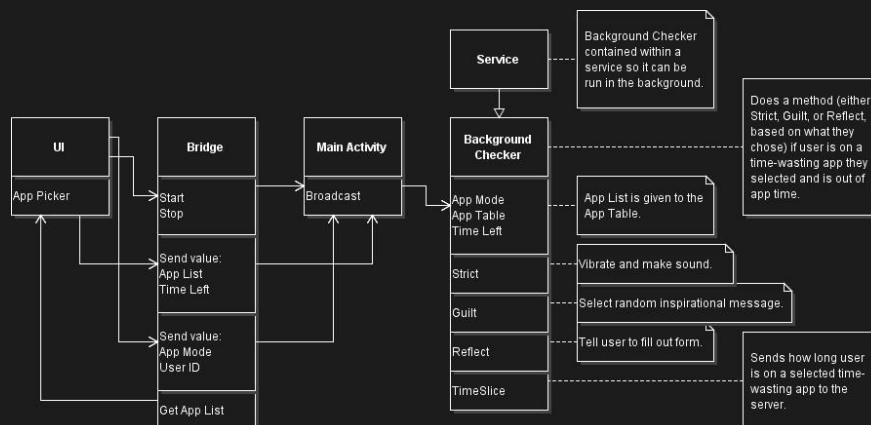
11/25/2020

CSc191 Oral Presentation, Fall2020

6

### 5 *Deployment*

Current Presenter:  
[Presenter 4]



11/25/2020

CSc191 Oral Presentation, Fall2020

8

# WORM vs. WORM

## WORM vs. WORM

Preliminary Study of an Active Counter -Attack Mechanism

Justin Elli & [Presenter 2]

I really enjoyed plastering this presentation with my favorite color. While it looks great printed out, the real brilliance of this design is not how it looks but, rather, how it moves.

- An anti-worm is a malicious worm that is transformed
  - This anti-worm spreads like the original
  - It fixes the system and sometimes updates the antivirus software
- We use them to force clean systems
  - Users are bad at updating their antivirus software
  - Vendors of antivirus software can't be trusted to auto-update
  - Anti-worms are a great way to counter new/unknown worms

What are anti-worms and why do we use them?

1

- Detect worm and analyze changes to system
  - We can do this by comparing the system registry files, the files on disk, and running processes
- Create anti-worm
  - We created the anti-worm payload that restores the changes made by the worm
- Let it propagate
  - We did not attempt to propagate a worm or an anti-worm

How do we make a worm and what did we do?

3

# Knoba

## A Project in Knowledge-Based Agency

This final presentation was made to complement a verbal presentation. While I have used animations many times in the past, this presentation used many more animations than any presentation I made before. This presentation combines concepts I've taken years to master and can easily be designated as my best work in design so far.

### Knoba (A Project in Knowledge-Based Agency)

Justin Elli

2021 Student Research &  
Creative Activity Spring Symposium

California State University, Sacramento

March 12, 2021



**Knowledge-  
Based Agency**



## Overview

1. What is Knowledge-Based Agency?
2. What is Big Brother?
3. My Approach to Knowledge-Based Agency
4. Implementation
5. A Further Hypothesis



