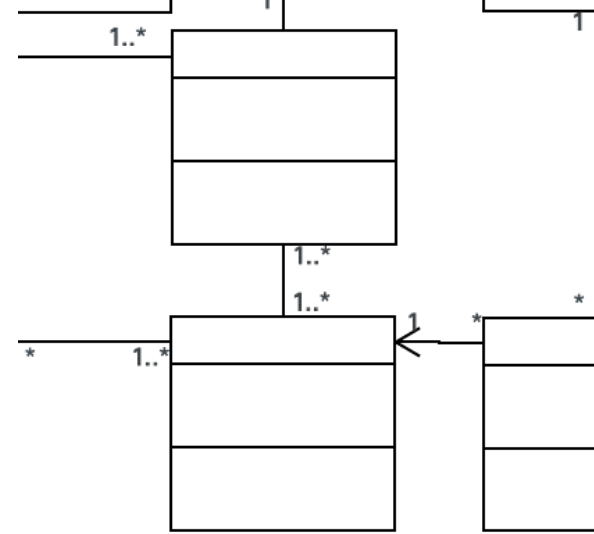


City College

## plan for today:

- introduction
- course goals/format
- introductions part 2: all of us!
- break
- lecture: software interventions
- discussion: “do no harm”



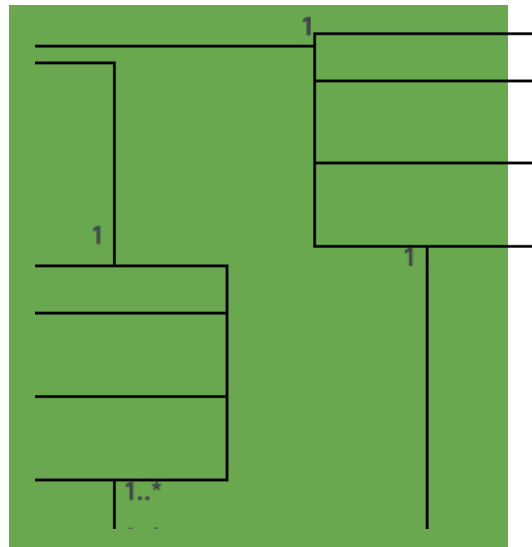
## introduction

- A little about me (hello!)
- Madeline Blount
- software engineer, researcher
- Interdisciplinary background: arts, science, politics
- Javascript, web frontend and backend
- Experimental course



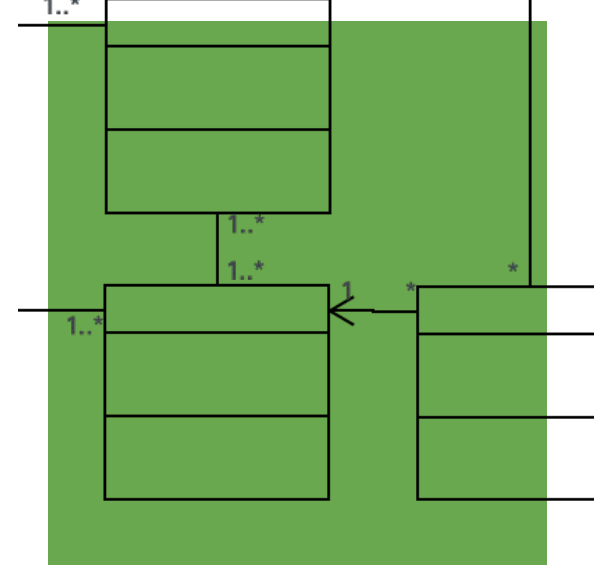
## course structure:

- Readings before class, short
- Lecture & discussion
- Live coding/demo
- Group work
- Weekly assignments, project log
- Leading to your final project proposal



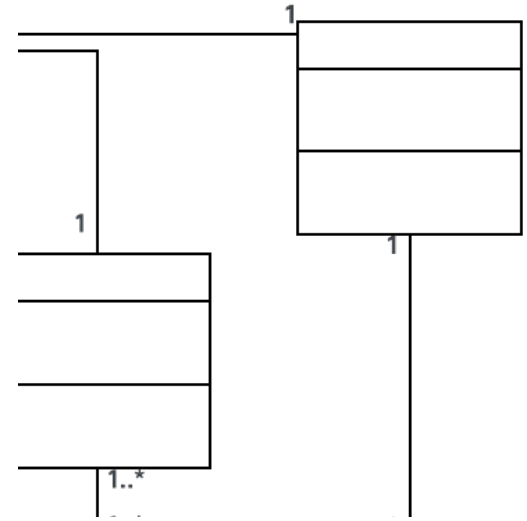
## course goals:

- Think critically about technology while we also build it
- Think about how technology affects change in the world (hint: sometimes unexpected ways...)
- Make rapid prototypes with contemporary tools to test our ideas
- Design *systems*, and think about how people fit into these systems



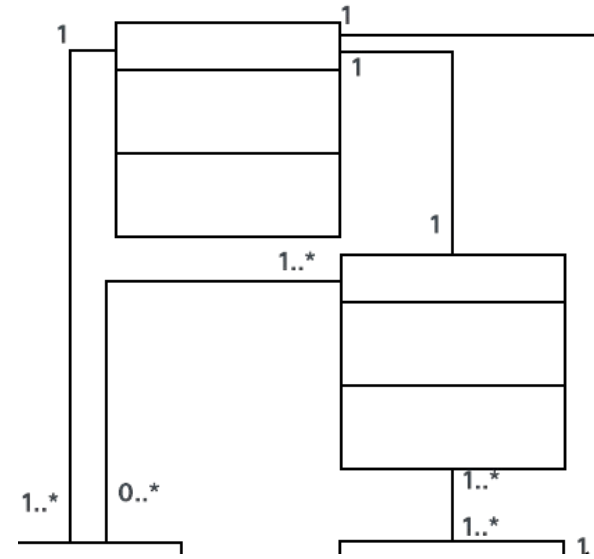
## course goals:

- Work together: iteration, collaboration, shared vocabulary
- Get comfortable reading documentation and using new tools quickly
- Idea generation phase for final project
- Use the tools that you have learned to build your own creative project



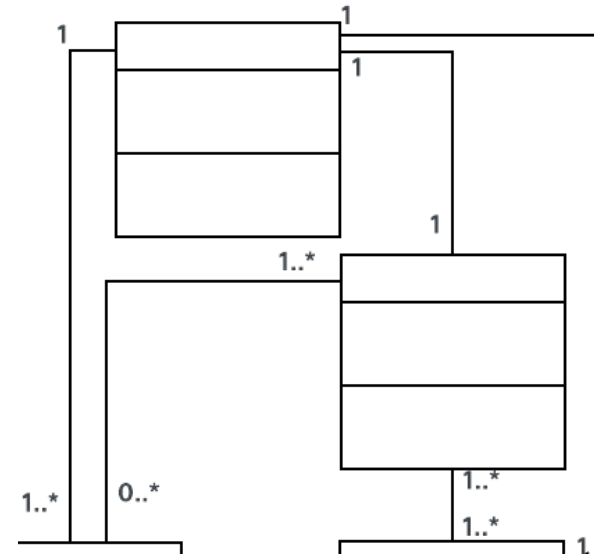
## final project:

- Any language, any methodology
- Solo or teams (3 students max.)
- Final for this semester will be proposal (some text about your idea, some diagrams of your system and how you'll build it, some code/multimedia)
- Next semester: build



## final project:

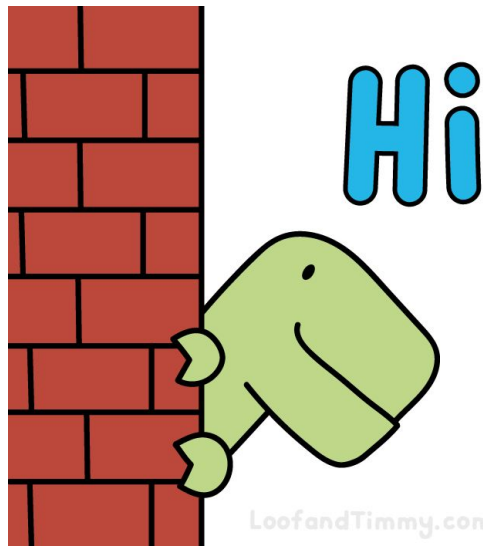
- Web app
- Chatbot, other bot
- Interactive website
- Game
- Online (or offline) custom tool
- Cartography
- Telecommunications
- Dataset with GUI
- Innovative storage system
- Crypto, ML, AR, VR, hardware ...
- *How and why* is this software operating in the world?





## introductions part 2: all of us!

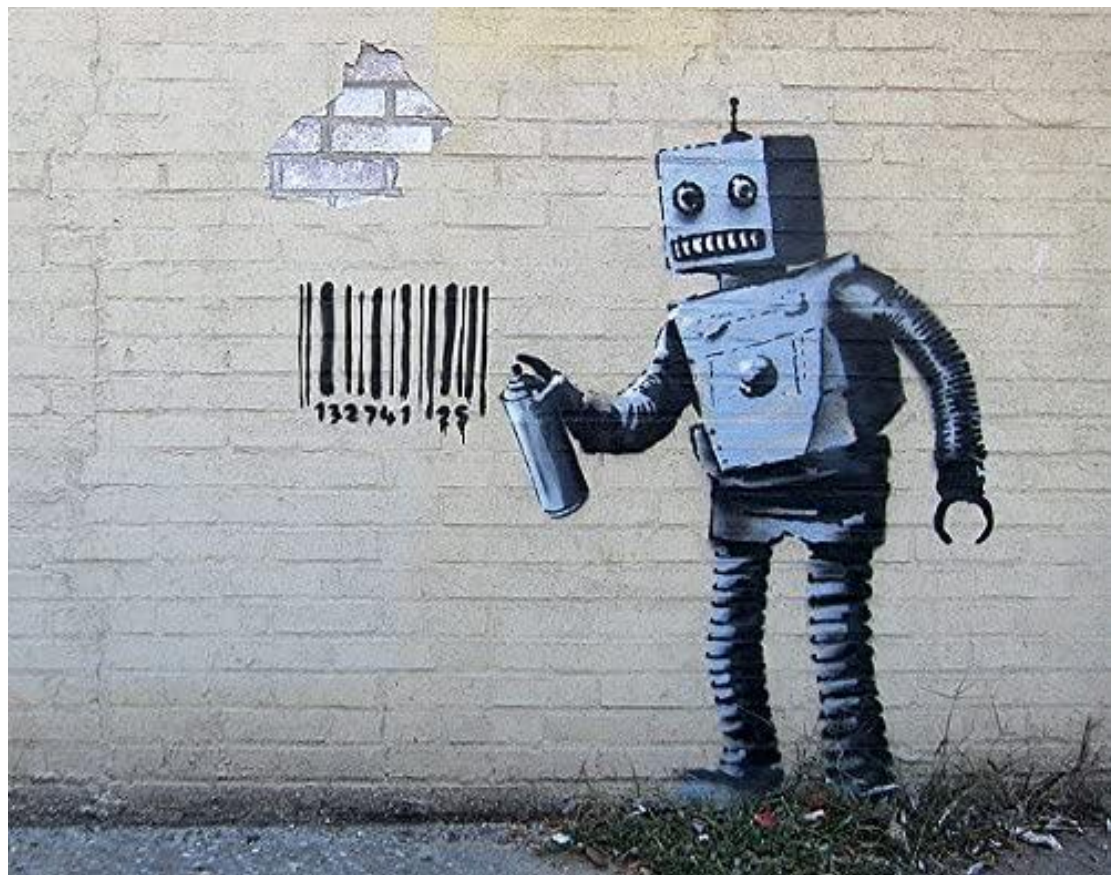
- name, pronouns
- What has been a main interest of yours in computer science?
- What is something you're into other than technology?



BREAK

**Intermission**

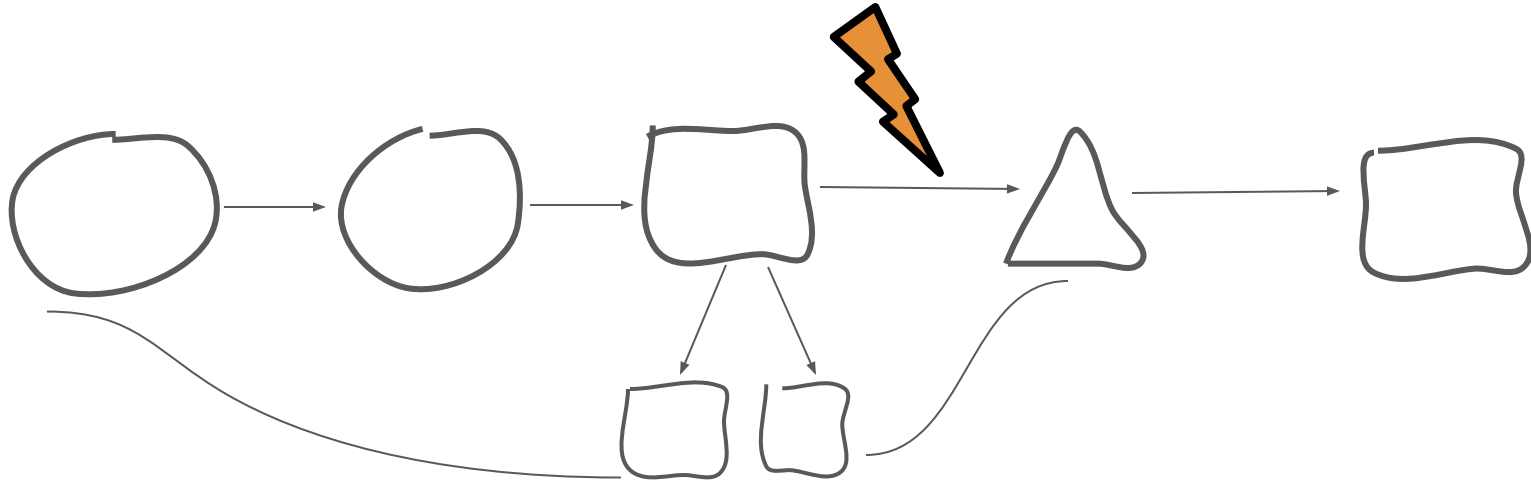
what is an *intervention*?



## what is an *intervention*?

- something that interacts with an existing structure or system
- software exists and acts *in the world*, with other systems in the world
- *how* we design and build matters; *who* builds matters; *for whom*, it all matters - not just *what* we build

what is an *intervention*?



- bottleneck, automation; breakage; allowing users (people) to see something or do something in a new way





WE ARE ALL RESPONSIBLE TO STAND UP  
AND END WHITE SUPREMACY

TRUMP  
INTERNATIONAL HOTEL





*Beneath Dignity*, Stuart Brisley (1977)



# disruption?



Ethan Zuckerman: “sorry, our intentions were good” (2014)  
“Internet’s original sin”



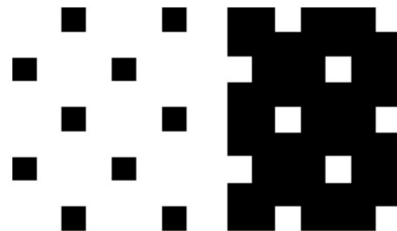
Facebook

big vs. small

Crypto example:  
BailBloc

BailBloc: Grayson Earle, Maya Binyam,  
Francis Tseng, JB Rubinovitz, Sam Lavigne,  
Rachel Rosenfelt, Madeleine Varner, Dhruv  
Mehrotra, Lou Cornum

[Join the Bloc](#) [WebMiner](#) [About](#) [FAQ](#) [Stats](#) [Press](#) [Code](#) [Privacy](#) [Contact](#) [Donate](#)



## **BAIL BLOC IS A CRYPTOCURRENCY SCHEME AGAINST BAIL**

**CLICK TO DOWNLOAD FOR MAC**

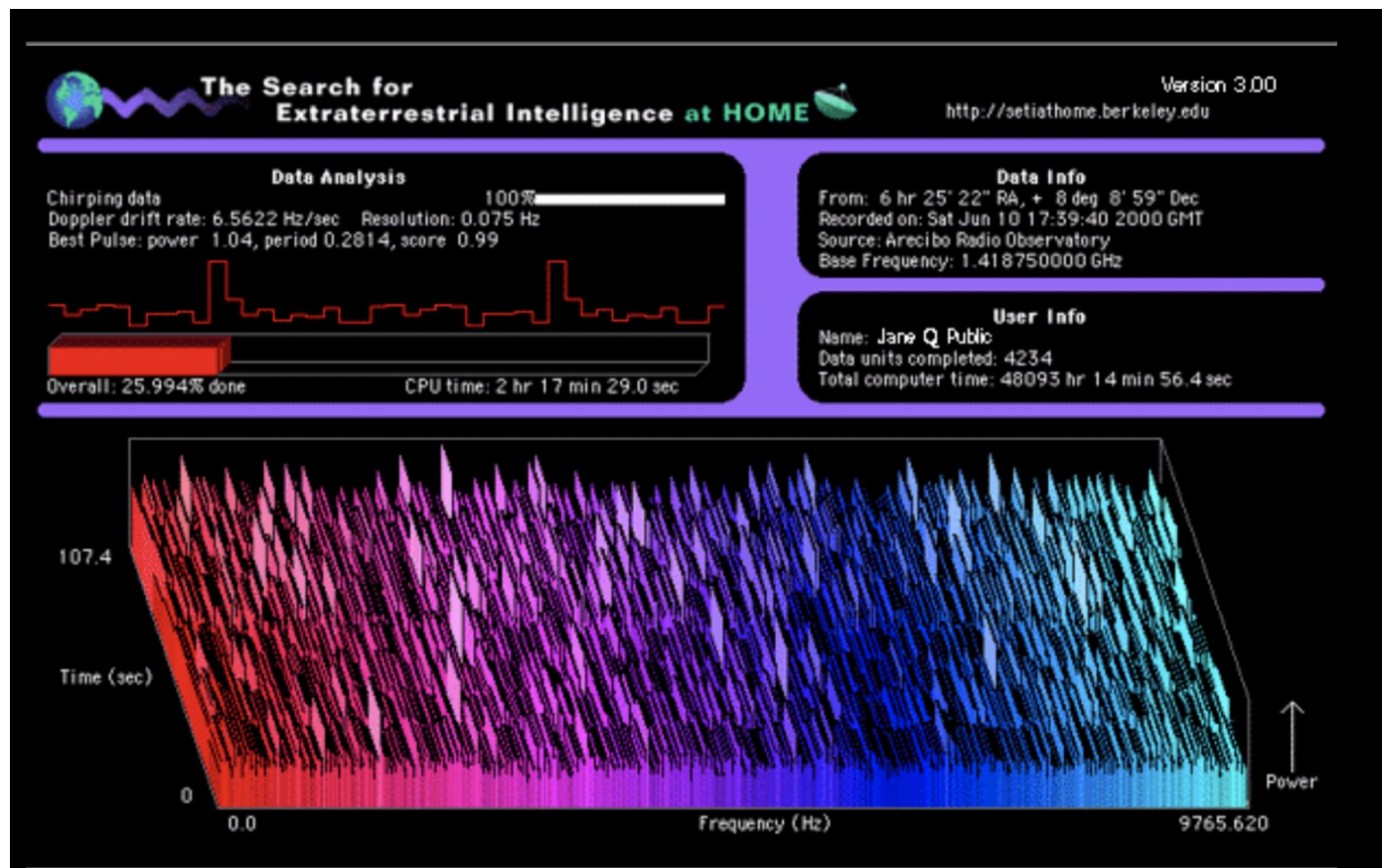
VOLUNTEER YOUR COMPUTER'S SPARE POWER TO GET PEOPLE OUT OF JAIL

[for advanced users with mining rigs or gaming PCs, click here](#)

IF  PEOPLE RAN BAIL BLOC FOR  MONTHS...

**VIEW IMPACT**

# big vs. small





# Talk on the phone with someone else stuck at home.

Works on the iOS and Android app Dialup

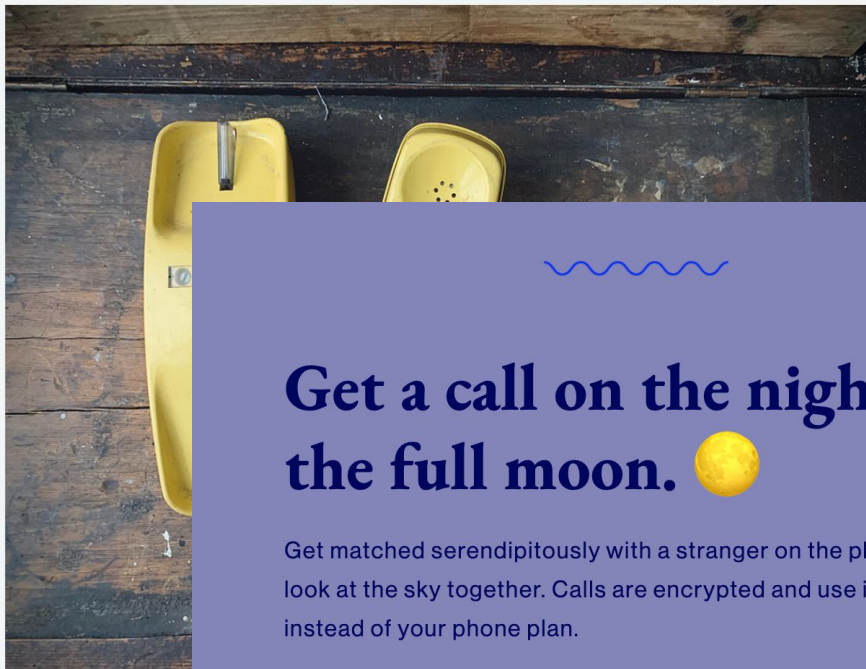
Your number is for signup purposes only and will never be shared.  
You can choose your call settings later.

+1



(201) 555-0123

Next step



# Get a call on the night of the full moon. 🌕

Get matched serendipitously with a stranger on the phone to  
look at the sky together. Calls are encrypted and use internet  
instead of your phone plan.

## How it works.

1. Make an account on the app Dialup.
2. Join the full moon line.
3. Wait for a call on the next full moon.

Quarantine Chat 2020, by Dialup  
(Danielle Baskin + Max Hawkins)

# Solar Protocol

A naturally intelligent network.

This website is hosted across a network of solar powered servers and is sent to you from wherever there is the most sunshine.

Server Battery:

Site Render Status: High res mode

Last update: 02:02 PM in Australia  
Melbourne

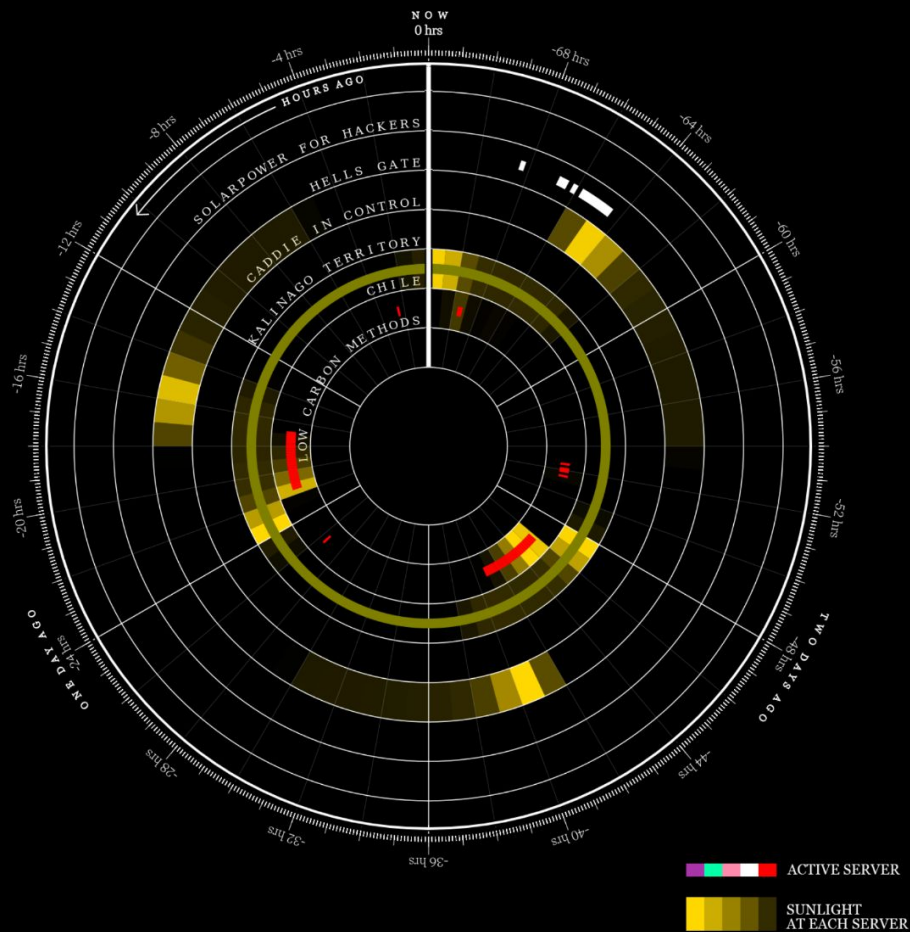
## ACTIVE SERVER

Name: Caddie in Control

Location: Coal City



## SERVER STEWARD

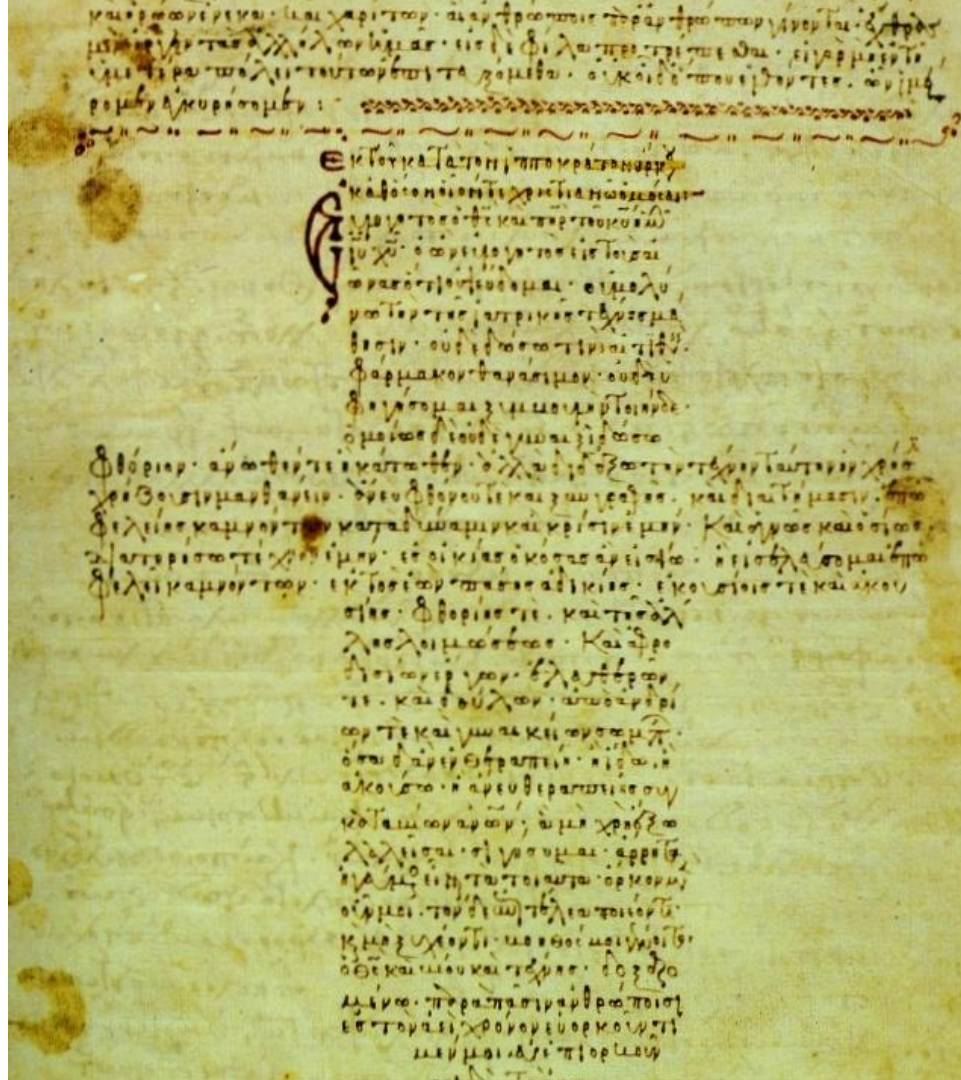


BREAK



"first, do no harm"

- Hippocratic oath, medicine
- Modern version



# Assignment

- Project log, <https://glitch.com>
- 11ty, static site generator
- JAMstack
- “Remix” your own, in your own account

