



Beyond

Web Development and GIS for Social Change

Critical Data Studies for Transforming Civil Society

Logistics

Lecture

Course Eval

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Aris Corpus | Vicky Delk | Enyi Emuka | James Falkenroth | Danielle Goldwirth | Catherine Hu
Stella Kang | Mandy Lai | Amanda Lau | Josy Law | Trinh Le | Paige Lee | Emma Lee
Jonathan Lopez | Sage Luong | Joanne Luong | Elsa Mai | Zachary Pakin | Alana Rukminto
Rebecca Suen | Kyle Tsujimoto | Cassidy Tu | Dylan Wan | Charles Zhang | Albert Kochaphum

Lecture 10 | June 8th, 2023

Beyond

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for Transforming Civil Society



Logistics
Lecture
Course Eval

Last logistics

1. Extra office hours is meant for **final project work**
 - Why?
 - I will hold office hours next Thursday/Friday for individual assignments/questions.
2. These slides will be emailed, not put online.
3. I will try to email final grades on Thursday/Friday. You have until Monday evening 6/19 to get back to me regarding any issues.
 - Unless you make up work, not passing students will not pass.
 - **No incompletes**

Presentation Guidelines

Point of the presentation

Pitching the project to the audience, not simply demoing your website!

Final on June 13th from 3pm – 6pm



Everyone must present!!!!
Online is an option for sick group members.

Final on June 13th from 3pm – 6pm

Final Group Assignment #29

albertkun started this conversation in Assignments

 albertkun last week Maintainer edited ...

Due 6/13

Please use this thread to submit your final group assignment.

Submission

- Select a presentation slot on the final sheet
- Separately take the individual group evaluation
- Post your group's repository and website link below:

ex.

Group Repo: <https://github.com/akochaphum/my-awesome-group>
Group website: <https://akochaphum.github.io/my-awesome-group/index.html>

 1 

Submit on GitHub by following the instructions!

<https://github.com/albertkun/23S-ASIAAM-191A/discussions/29>

Sign-up for your order when you submit your final assignment

Order	Group	Hybrid*	Notes	Time
1		▼		3:15
2		▼		3:30
3		▼		3:45
4		▼		4:00
5		▼		4:15
6		▼		4:30
7		▼		4:45
8		▼		5:00
9		▼		5:15
10		▼		5:30

*Available if your group has someone sick the day of

https://docs.google.com/spreadsheets/d/1ZAr9Hd9fmtevEGRadA_a4xl-AoXM8eZJ3VQFygXnT5o/edit#gid=924366777

Presentation Guidelines

1. **Introduce** the project (< 30 seconds)
2. **Who** is the project for and why is it important? (2-3 mins)
3. **What** does your website do, and **how** does it empower people? (2-3 mins)
4. **Demo** of the website (or screenshots) (2 mins)
5. How would you like your project to be **used** in the **future** or **by the community members**? (2 mins)

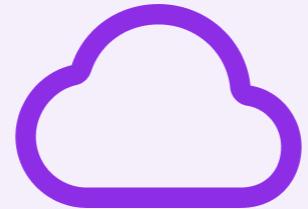
<https://albertkun.github.io/23S-ASIAAM-191A/assignments/final/#presentation-guidelines>

(Real) Theme of the week

**Thank you for an empowering 10 weeks
and my last course at UCLA!**



Top 50 words Word Cloud



**Final Class, Final Slido! How are you
feeling?**

- ⓘ Start presenting to display the poll results on this slide.



Join at
slido.com
#ucla

How are you feeling?

Excellent =P

Nervous

Amazing

Good

Alright

overwhelmed already 😅

tired but excited for the class

Calm

Headempty

Great

hungry

tired

Splendid

coding 😄 😄 11

excited

Beyond

Web Development and GIS for Social Change

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**Enough stooling for time!
Wood you get on with the last lecture?**

I thought you wood never ask!



All leveraged in different ways for social change

But don't forget this imbalance on technology



A CAUTIONARY TALE



Civil Society pushes back.. For now.

≡ Los Angeles Times LOG IN

City Council delays vote on LAPD robot dog for 2 months



<https://www.latimes.com/california/story/2023-03-07/la-city-council-tables-police-robot-dog-vote-2-months>

We have to keep pushing or else...

LA *ist*

CRIMINAL JUSTICE

Los Angeles City Council In Split Vote Approves Controversial \$280K Robot Dog For LAPD

By [Nate Perez](#)

Updated May 23, 2023 4:46 PM Published May 23, 2023 1:53 PM



The image shows two yellow Boston Dynamics robot dogs, specifically Spot models, standing on a carpeted floor. The dog on the left is labeled "B23" and the one on the right is labeled "121". They are positioned in front of a group of approximately 20 people who are clapping. The background features a banner that reads "TECH SHOWCASE" and "PAYTON". To the left, there is a sign that says "INNOVATION CENTER". The overall setting appears to be a convention or exhibition hall.

<https://laist.com/news/criminal-justice/los-angeles-city-lapd-robot-dog-vote>



Trending:

The best 5G phones to buy in 2021

5G News: Everything you need to know

MOBILE

Google Photos will start charging you for uploads today

By Christian de Looper

June 1, 2021 5:31AM PST



Google Photos has been one of Google's most popular services ever since it was launched in 2015, offering unlimited free photo storage at so-called "high-quality." As [was announced in November](#), however, that's coming to an end. Today, June 1, Google Photos will begin charging you for any [storage over 15GB](#).



THE HILL

TECHNOLOGY

Activists, workers press Google founders to support racial equity audit

BY CHRIS MILLS RODRIGO - 05/27/22 9:00 AM ET



A collection of civil society groups and employees at Alphabet, Google's parent company, sent letters to Google founders Sergey Brin and Larry Page and former CEO Eric Schmidt Friday urging them to support a racial equity audit at Alphabet.

<https://thehill.com/policy/technology/3503534-activists-workers-press-google-founders-former-ceo-to-support-racial-equity-audit/>

Even reddit is not safe...

Reddit communities unite: Thousands of subreddits to go dark in protest against new data paywall. All you need to know

2 min read • 08 Jun 2023, 08:45 AM IST

Livemint ,Edited By Govind Choudhary

Over 2,470 subreddits, including those with over 30 million followers, are expected to go offline on June 12 to protest Reddit's data paywall. The social media platform is set to impose exorbitant fees for data access, prompting concerns about the impact on third-party apps.

<https://www.livemint.com/technology/tech-news/reddit-communities-unite-thousands-of-subreddits-to-go-dark-in-protest-against-new-data-paywall-all-you-need-to-know-11686193240097.html>

Think about which tools you use and why

Spot the difference!

A screenshot of a reddit post on the subreddit r/chrome. The post has +25 upvotes and the title is "Hey there! r/Chrome has a new modteam and we'd like some input from the community. [Meta]". It was submitted 1 month ago by user rk_29 and is an announcement. There are 38 comments. The second post in the list has +4 upvotes and the title is "I'm not sure if this is just a me thing but every time I use the auto fill on my phone I get a 1 dollar charge on my auto from google that then gets refunded". It was submitted 4 hours ago by user Notboyish.

A screenshot of a reddit post on the subreddit r/Firefox. The post has 1 upvote and the title is "Weekly Add-ons post for 2023-06-07". It was submitted 1 day ago by AutoModerator and is an announcement. There are 6 comments. Below it is another post with 1569 upvotes and the title is "Discussion Head's up: June 12th protest of Reddit's API changes.". It was submitted 3 days ago by user Antabaka and is an announcement. There are 67 comments. The "Head's up" post is highlighted with a red border.

The choices in which technology you use reflects your ethics and values.

Remember this?

Technological Determinism

THE WORLD IF...



WE ONLY HAD THE RIGHT TECHNOLOGY

I hope you learned to identify
Technological Determinism.....

What could possibly go wrong?!

≡ Search

INSIDER

[Newsletters](#) [Log in](#)

[HOME](#) > [TECH](#)

Marc Andreessen has a plan to use 'AI to save the world' – and it doesn't involve regulation

Vishal Persaud Jun 6, 2023, 2:11 PM PDT



The image shows Marc Andreessen, a bald man with a beard, wearing a dark suit and a light blue shirt. He is smiling broadly and gesturing with his hands while speaking. The background is dark with some purple lighting.

Share f

<https://www.msn.com/en-us/money/companies/marc-andreessen-has-a-plan-to-use-ai-to-save-the-world-and-it-doesnt-involve-regulation/ar-AA1cd5wb>

Greenhouse gas emissions

Half of emissions cuts will come from future tech, says John Kerry

US climate envoy says people will not have to give up quality of life to achieve some of net zero goals

Jessica Murray

Sun 16 May 2021 07.01 EDT



235



TECHNOLOGY NEWS

MAY 19, 2022 / 1:35 PM / UPDATED 11 DAYS AGO

U.S. launches \$3.5 billion program to speed development of up carbon removal tech

By Reuters Staff

3 MIN READ



<https://www.reuters.com/article/us-usa-energy-carbonremoval-idCAKCN2N51YS>

May 25, 2023 - Energy & Environment

Key UN climate panel casts doubt on future of carbon removal tech



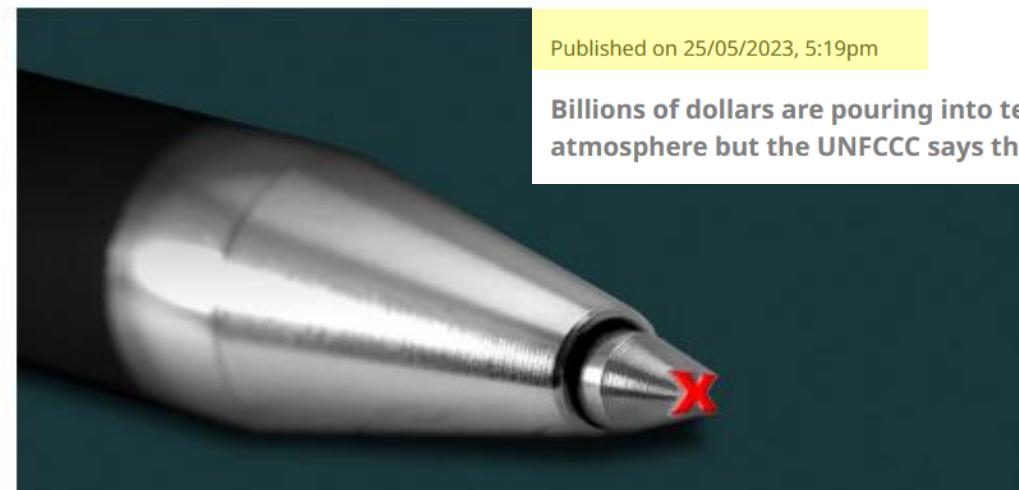
Andrew Freedman, author of [Axios Generate](#)



UN advises against offsets for carbon removal technologies

Published on 25/05/2023, 5:19pm

Billions of dollars are pouring into tech-based solutions to suck carbon dioxide from the atmosphere but the UNFCCC says they are unproven and pose unknown risks.



<https://wwwaxios.com/2023/05/25/united-nations-carbon-removal-critique>

It's up to you how you apply this class.

Even if this class recommended compelling tools

PCWorld

NEWS ▾ BEST PICKS ▾ REVIEWS ▾ HOW-TO ▾ DEALS ▾ LAPTOPS

WINDOWS

Home / Software / Feature

UPDATED

8 compelling reasons to quit Chrome and switch to Firefox

From stopping autoplay videos in their tracks to reducing the system burden on your PC, there's plenty to love about this browser.



By [Alaina Yee](#)
Senior Editor, PCWorld

JUN 15, 2022 7:30 AM PDT

<https://www.pcworld.com/article/704687/why-quit-chrome-and-switch-to-mozilla-firefox.html>

The tech (and I) can always be replaced

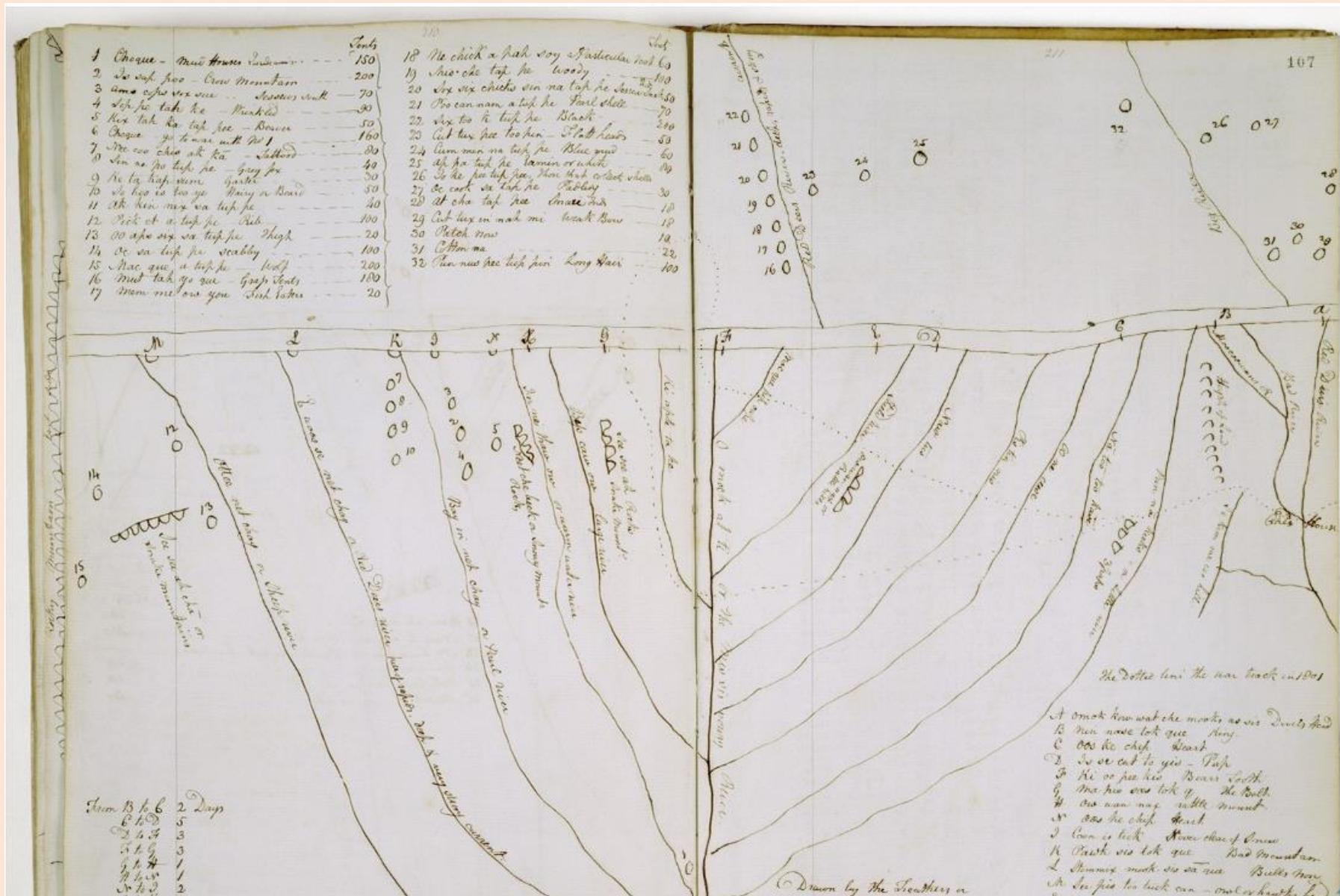
A screenshot of a blog article from PCWorld. The title is "How to learn JavaScript using ChatGPT" by Alice Ivey. The article has 16263 total views and 38 total shares. It includes a "Listen to article" button and a video player showing a timestamp of 3:10. The video thumbnail features a stylized illustration of a person's face with a digital background and some code snippets. The Cointelegraph logo is visible in the bottom right corner of the thumbnail.

Focus on why you want to use the tool and is it adhering to your ethics.

<https://www.pcworld.com/article/704687/why-quit-chrome-and-switch-to-mozilla-firefox.html>

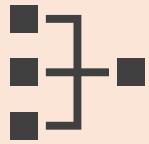


<https://www.ndstudies.gov/gr8/content/unit-ii-time-transformation-1201-1860/section-2-indian-maps-louisiana>



Remember this?

Ethics is about



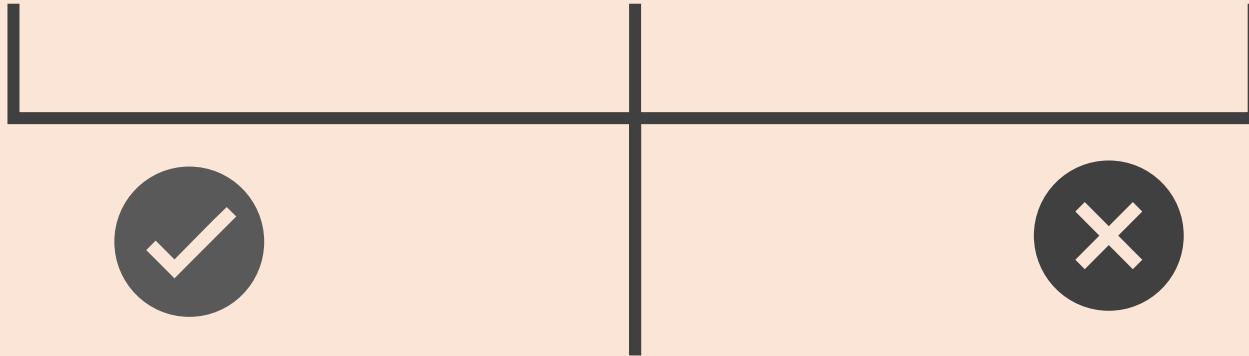
Systemizing



Defending



Recommending



Right

Behaviors



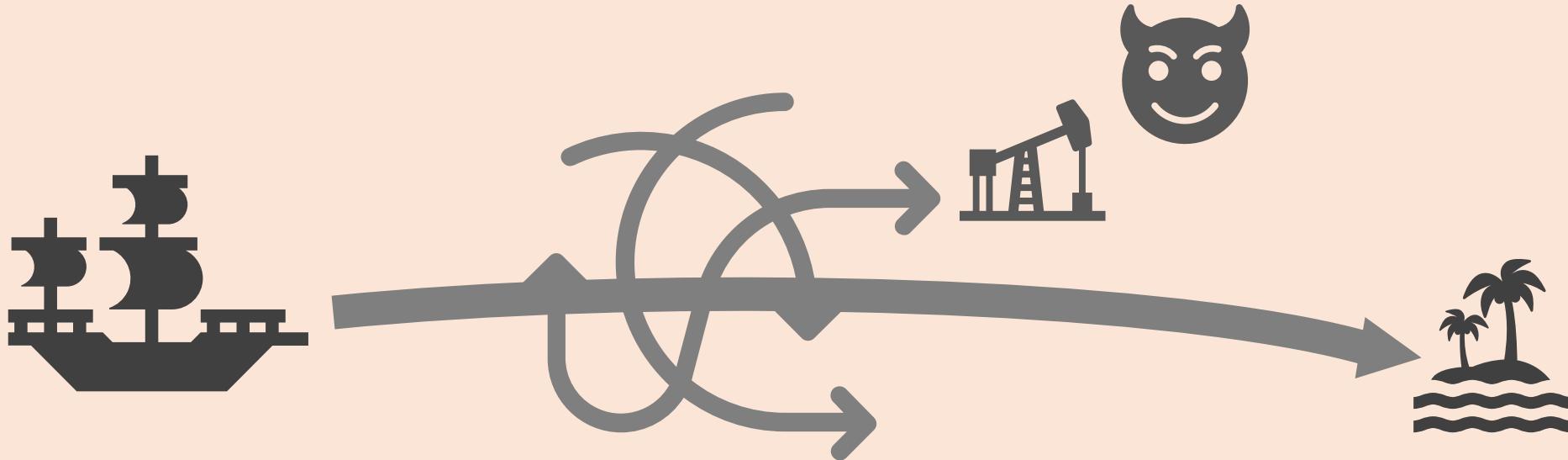
Vs.

Wrong

Behaviors

There are no **right** answers in ethics, but just thinking about it is the first step in the **right direction**

Why? Remember
this?



Decide where you want to be going with your mapplication.

Or external forces will decide that for you.

Be intentional and thoughtful

Without your own ethics, you are following someone else's course.

With ethics in mind, you are all equipped to explore!



Open Source Web Mapping

3D Mapping

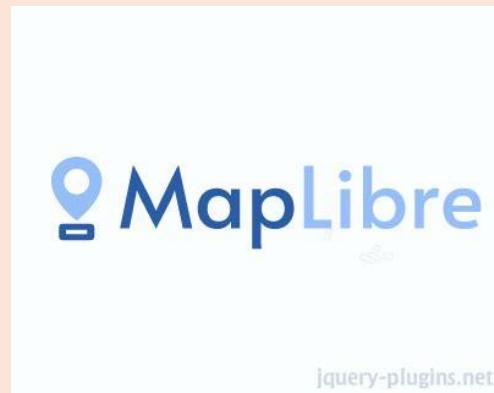


<http://examples.webglearth.com/>



<https://github.com/wrld3d/wrld.js>

2D Mapping



<https://maplibre.org/>



<https://openlayers.org/>



<https://d3js.org/>

<https://mappingwithd3.com/>

Open Source Web Mapping by companies



<https://cesium.com/platform/cesiumjs/>



<https://kepler.gl>
L



<https://carto.com/>

Closed Source Web Mapping by Companies

ArcGIS API for JavaScript

<https://developers.arcgis.com/javascript/latest/>



ArcGIS StoryMaps

<https://storymaps.arcgis.com>

L



Google Maps Platform

<https://developers.google.com/maps/apis-by-platform>

Mapbox GL JS

<https://www.mapbox.com/mapbox-gljs>

For this class....

Web development was not about code

It was about developing a web of connections!

To software

To communities

To ethics

To each other

Remember this?

Design is relatively easy

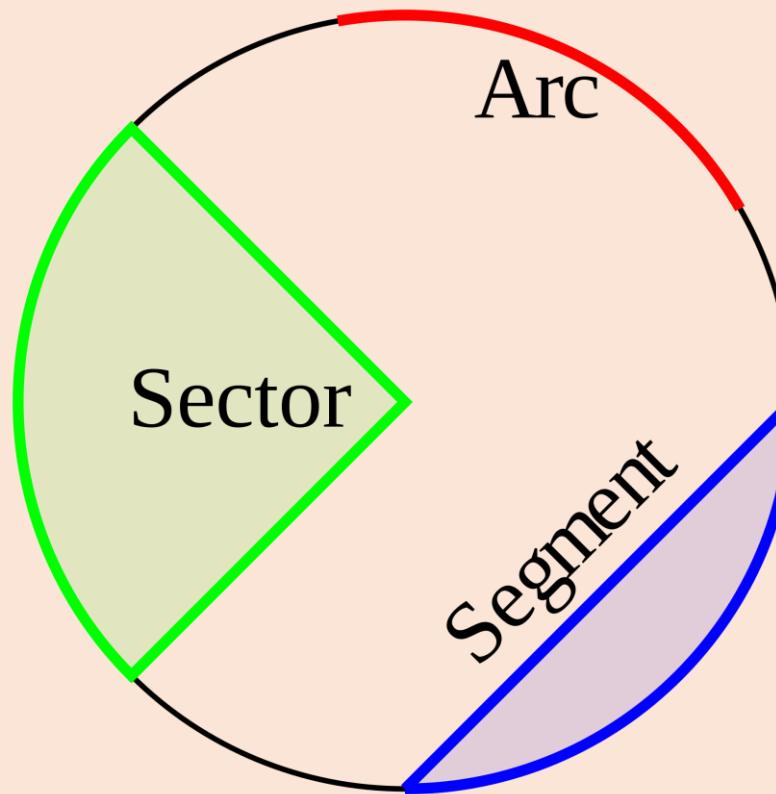
Justice is hard

But.....

**The arc of the moral universe is long,
but it bends towards justice.**

-Martin Luther King Jr.

The arc is part of a circle where we are connected!



We are **Linked**
together now!

You don't have to go at it alone.



Our journey has come to an end....

Thank you, Albert!

From Ray Hsiao, AAS 191A Spring 2021

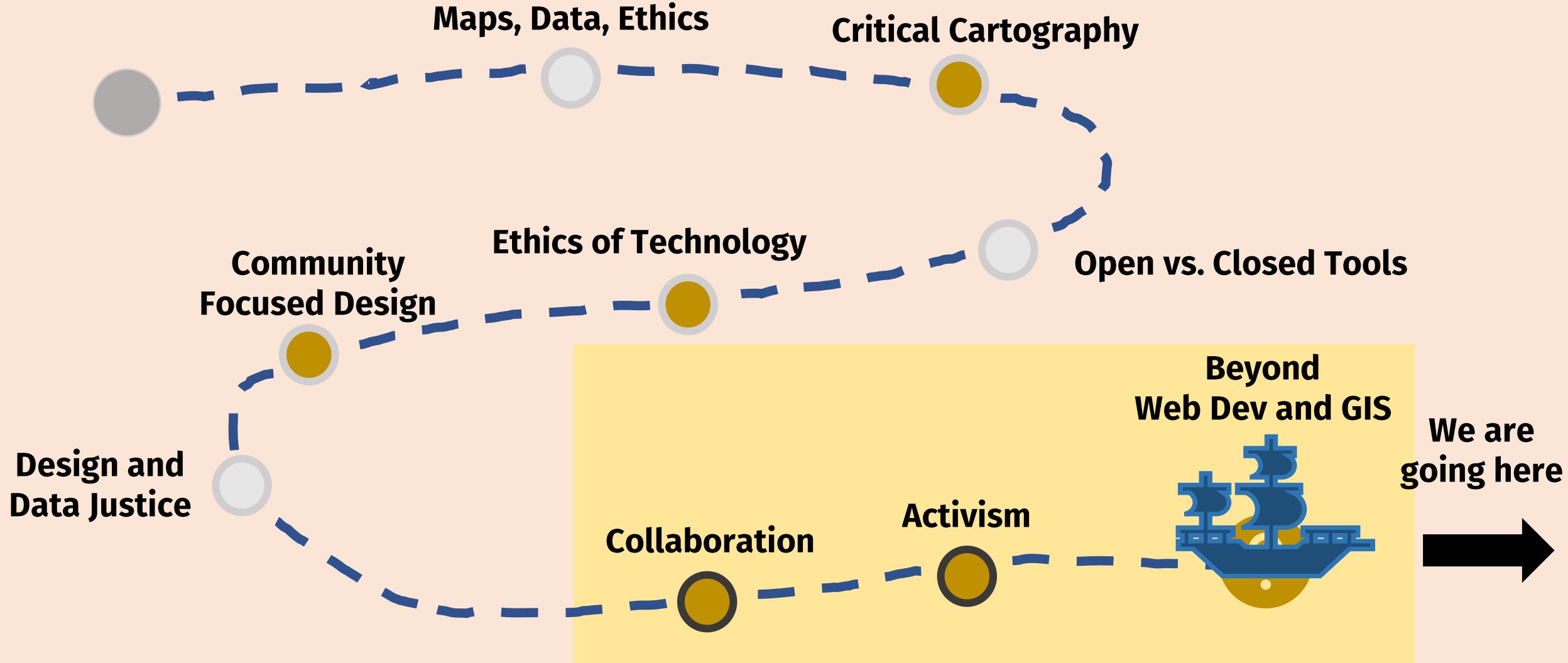


Hopefully the journey was mincciNO problem

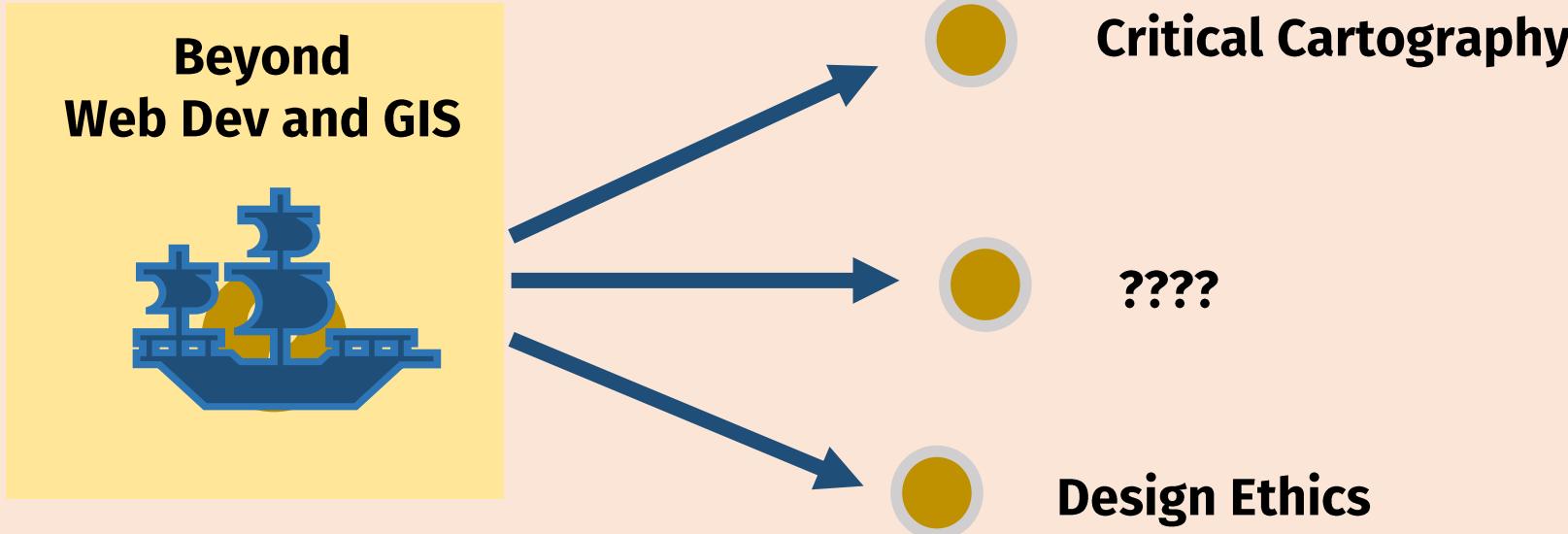


At least this student thought it was
okRAY!

The Course

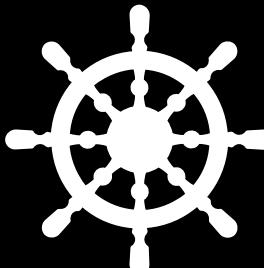


The End of a Journey.....



Is the beginning of a new one.....

IT'S DANGEROUS TO GO
ALONE! TAKE THIS.



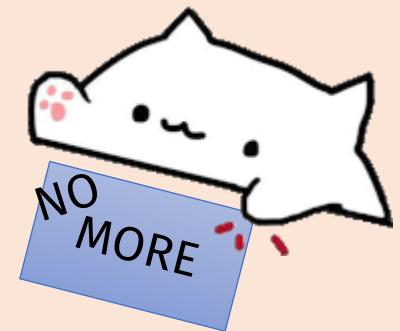
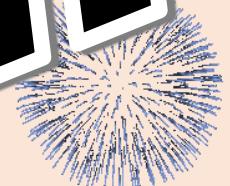
How do I know you will lead the ship well?

Because you all have shown you are great....

Thinking CapTains



visiting **the** **Voice**
Fido - A wards



Mariah Tso great at charting the course!

The visiting voice that left the most impact on me was Mariah's, as I feel as she set the stage for the course very well. Learning about how all representations of knowledge can be considered maps and how the maps we are traditionally accustomed to are biased and can be harmful made me think more critically about the decisions made on web projects every day... I had never heard of someone refer to a spoken geographic description as a map, which was very thought provoking.

-Zach Pakin



Mariah Tso great at charting the course!

I feel that I was the most impacted by Mariah. I think she really set the tone for the whole class, and put me in the right mindset to start thinking about mapping for social change.

-Elsa Mai

Personally, Mariah Tso was the most impactful visiting voice because her perspective felt so different from what I'm used to hearing about maps. As someone pursuing a minor in GIS, I hope to carry her insights with me in understanding the power and impact of maps.

-Catherine Hu



Farrah SuPER Presentation and Nancy YAPPRECIATIVE of it!



I really enjoyed listening to Nancy and Farrah's presentation about their work with CAUSE... I appreciated that they demonstrated the ways that CAUSE has promoted its organization/mission across various platforms and how their use of maps has been crucial in helping the public understand their work... It was very empowering to hear as a graduate entering the job market that many employers don't know what they need, so job candidates can highlight their skills and passions to address employers' current and future needs.

-Danielle Goldwirth

Farrah SuPER Presentation and Nancy YAPPRECIATIVE of it!



To me, the most impactful visiting voices were Nancy Yap and Farrah Su and their work with CAUSE. It was inspiring to see how their activism work, mapping, and outreach efforts led to real policy impacts. They were able to help prevent a congressional redistricting in San Gabriel Valley... Their project with CAUSE showed me the power of organizations dedicated to community justice and activism. These organizations can benefit from people with the technical skills to support their goals.

-James Falkenroth

Thanks for letting us Yoh Kawano about Community Involvement



One of the most impactful visiting voices has been Yoh Kawano. Not only did his presentation highlight the importance of building trust with communities to effectively share their stories with the world, but he also showed how the skills we learned in this class are applicable across the world.

-Mohammed Azad

I really enjoyed the visiting voice lecture from Yoh Kawano.. his work with the Fukushima nuclear power plant/earthquake/tsunami disaster showed me the impact of giving voice to forgotten narratives and demonstrated how the skills we are learning in this class can be productively applied to give voice to target communities while empowering but not extracting.

-Kyle Tsujimoto

Amazing Joyce Nguy-site into Academia and Elections

To me, the most impactful visiting voice was Joyce, since she really brought the issues with Asian Americans in elections and academia to my attention. Although I had never really given these domains much thought, the issues she faced really resonated with me and have definitely stayed on my radar since.

-Charles Zhang



And, that's a Rapi! Castill'over and out!

Rapi Castillo has made a perfect example of staying optimistic towards positive change and impact. As he is a community organizer and tech worker, he uses open-sources to utilize the community throughout different grassroots organizations he is involved in. By visualizing and creating a story, we are in this space of technology in which he vows to fully advocate for equity.

—Casey Caradang

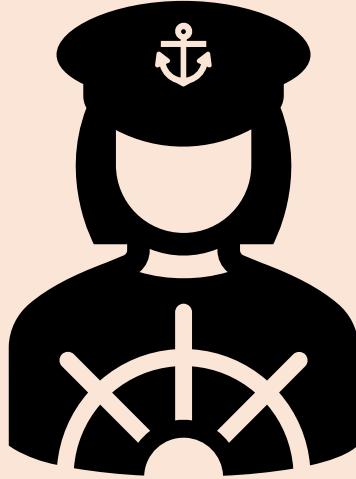


And, that's a Rapi! Castill'over and out!

The visiting voice who left the most impact on me was Rapi Castillo. He presented many impactful examples of his past work, which serve as relevant, real world inspiration for the social justice projects we're developing in this class... the map he created for Bernie Sanders' 2016 presidential campaign had category-specific markers for campaign events... I also liked his project that mapped all scheduled buses from each city to the 2017 Women's March in D.C. in response to Trump's inauguration because as a statistics major, I am very interested in dealing with and querying big data.

-Paige Lee





You are in charge of the ship!

Not just any ship though!

**SUPER
SMASH BROS.TM**

ULTIMATELY

RelationShips

Remember this?

What is this course, really?

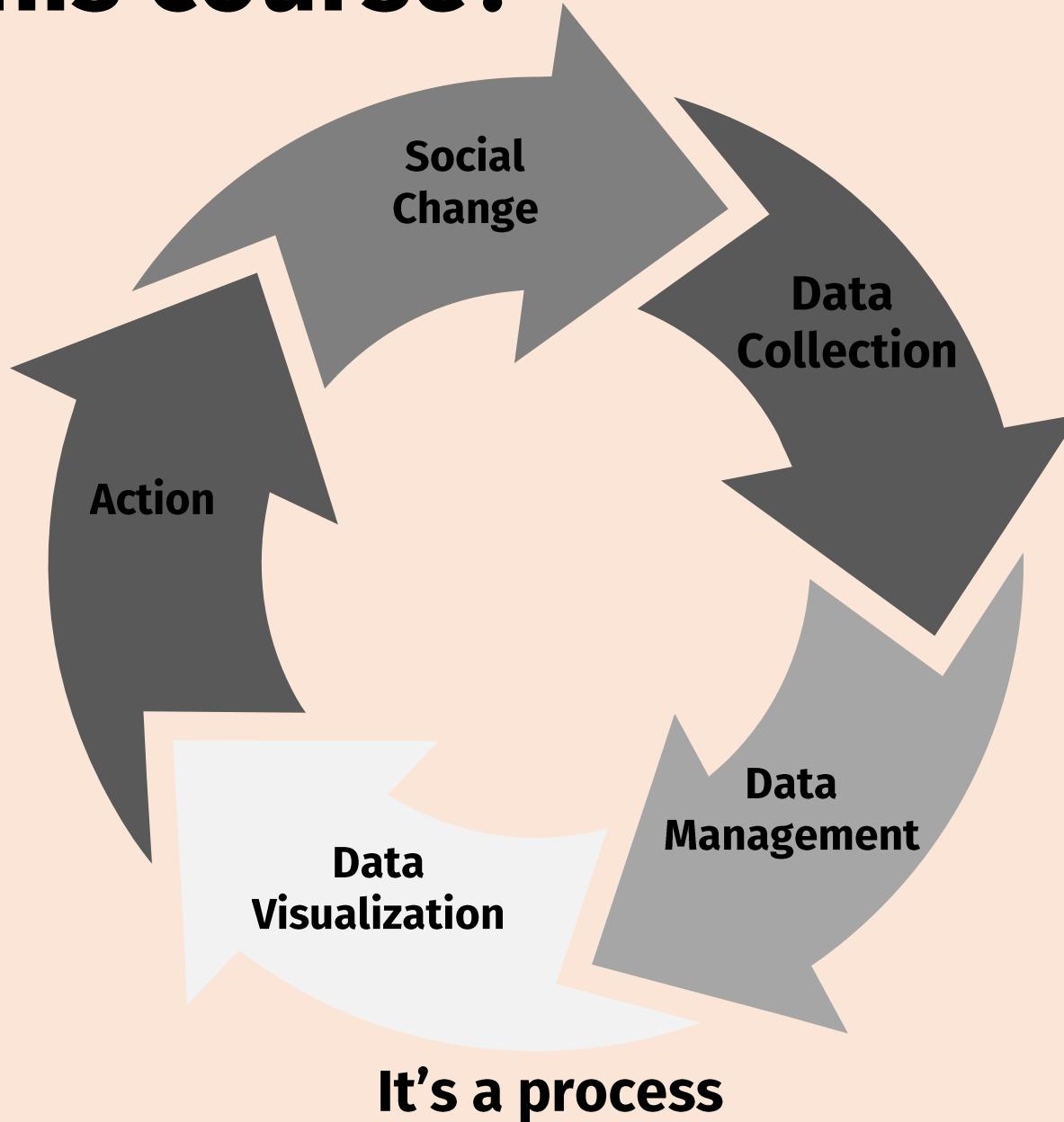


Tackling social problems together.



Remember this?

What is this course?



It's actually a collection of connected change processes



**Each Visiting Voice represents the relationships
between us and social change processes**

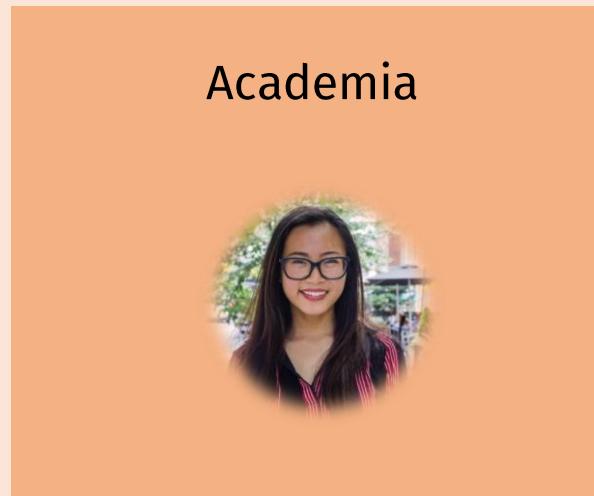
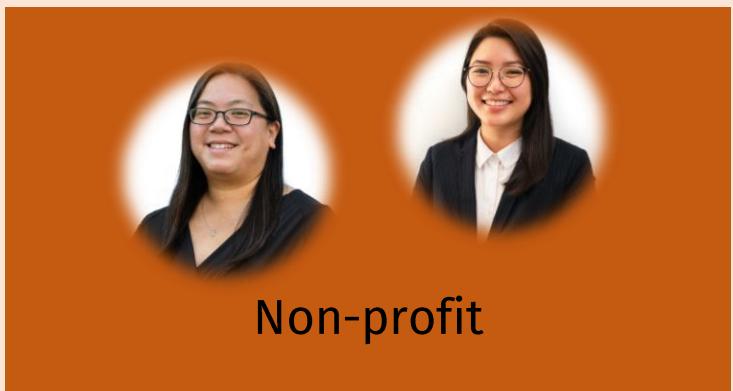
WEB DEVELOPMENT AND GIS:



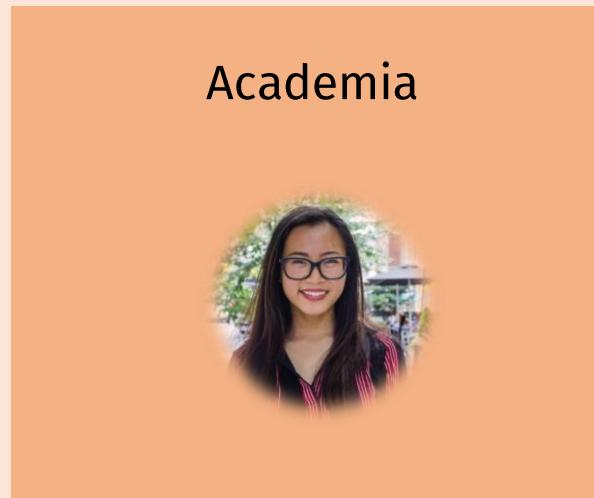
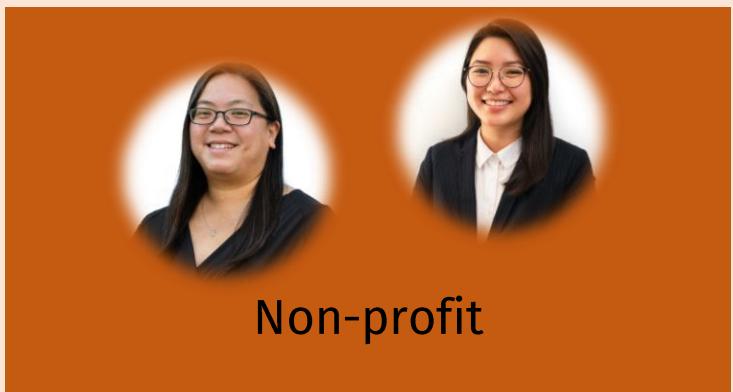
Each Visiting Voice represents a view of those processes



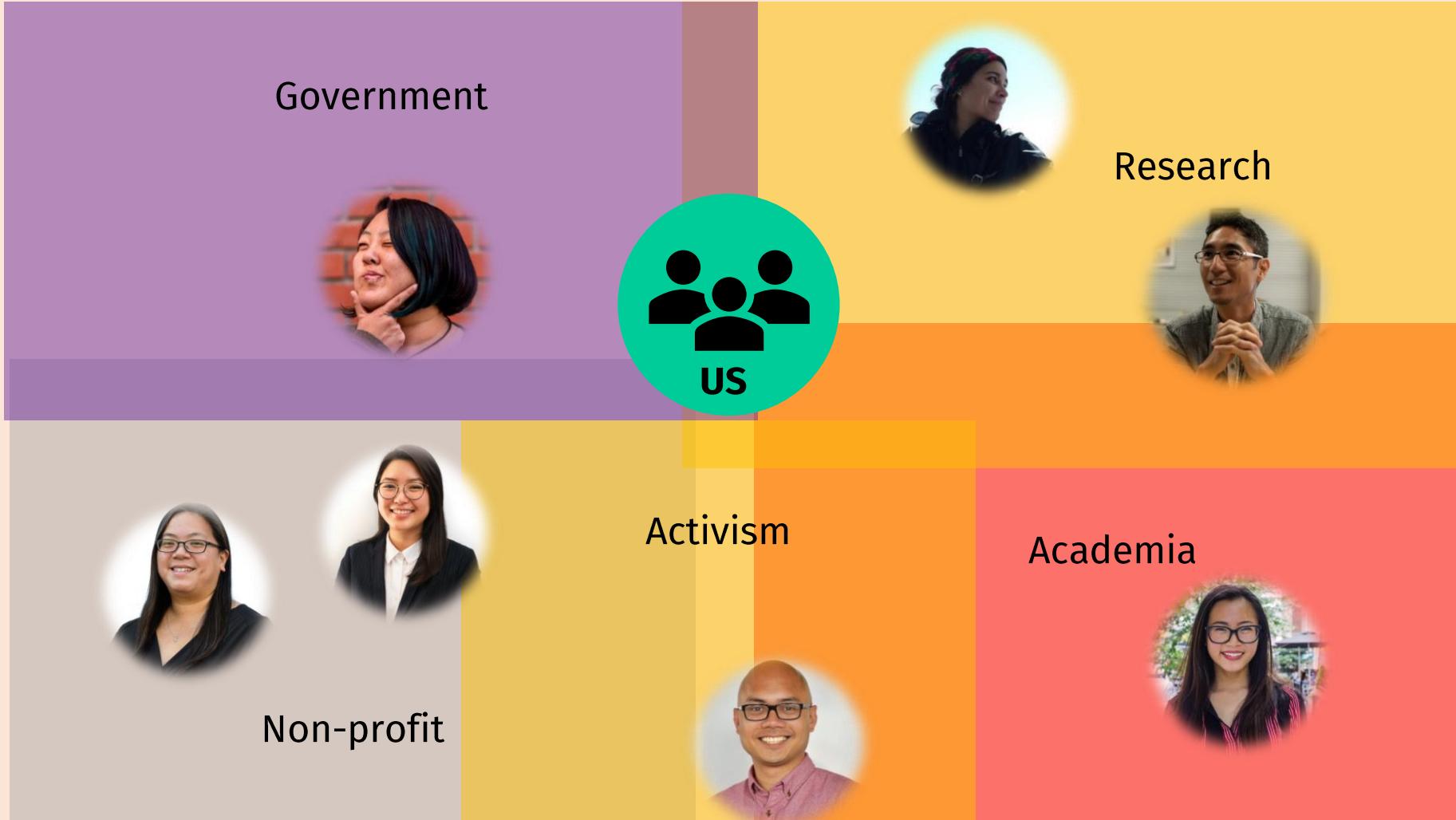
Each also represent different sectors



They were not separate boxes either.....



They are interconnected non-boxes.....



They are interconnected non-boxes.....



That build our network!



Main point of the visiting voices

Develop your web of connections

Or if you prefer JavaScript.....

let myNetwork += yourNetwork!

One last JavaScript for the road

```
let you = "Your Name";
let here = Date.now();
let message = "You finished the course" + you;

if ((you) && (here)){
    message += "and you are now my peer!"
    return message
}
else{
    message = "I hope you enjoyed this last pirate course"
}
console.log(message)
```

**Time to flip the (Java)script:
We are all peers now!**

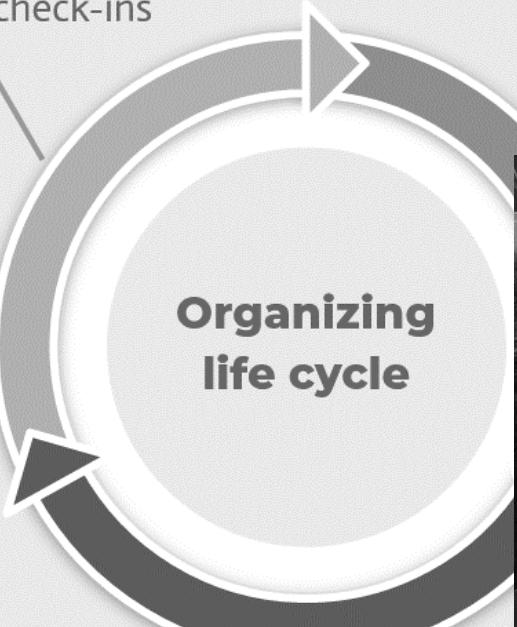
**We should share our knowledge and
experiences with those beyond this class.**

Remember this?



Community Care

- Post-event discussions and learnings
- Game nights and check-ins



Issues-Based Organizing

- Strategizing on message
- Backchannel planning and delegation



Making social change is a social process

Social change can be difficult and hard, but also unexpectedly sweet and rewarding.

But in the end, it ends up helping, where society does not!

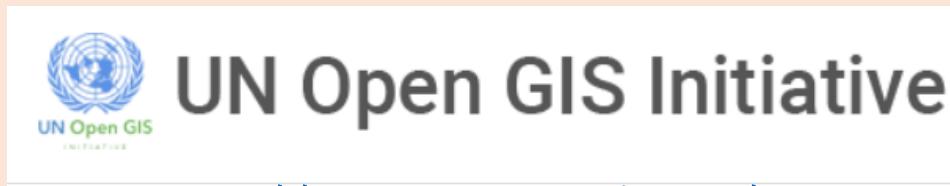
So, let's keep staying engaged!

How?

GIS



<https://gis-for-good-giscorps.hub.arcgis.com/>



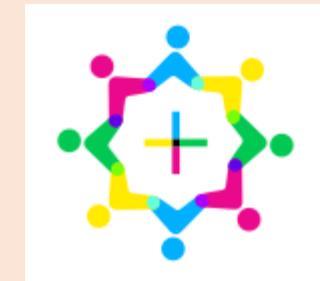
<http://www.unopengis.org/>

Design



<https://designjustice.org/>

Coding



<https://www.progcode.org/>



<https://github.com/digidem>

Each of those have a “get involved” page

Best way to stay engaged

Try something **you are curious or **passionate** about and
share that with the community to channel your energy**

A black and white portrait of Satoru Iwata, a Japanese video game developer and businessman. He is shown from the chest up, wearing glasses, a dark suit, a light-colored shirt, and a patterned tie. He has a slight smile and is looking slightly to his right. The background is a plain, light color.

**"ON MY BUSINESS CARD,
I AM A CORPORATE PRESIDENT,
IN MY MIND, I AM A GAME DEVELOPER.
BUT IN MY HEART, I AM A GAMER."**

- SATORU IWATA 1959 - 2015

41.18. Case in point



NEWS

As anti-camping zones return for LA City Council vote, some experts map impact of such limits

Team of public health researchers maps out just how much of city would be subject to such a ban, if the ordinance passes on Wednesday.

By **ELIZABETH CHOU** | hchou@scng.com | Daily News

PUBLISHED: July 27, 2021 at 6:42 p.m. | UPDATED: July 27, 2021 at 7:20 p.m.

How my involvement in this issue started:

June 29, 2021

06/29/2021

hi Albert! I was wondering if you're still around on Discord. We're in need
of urgent mapping for the proposed 41.18 motion

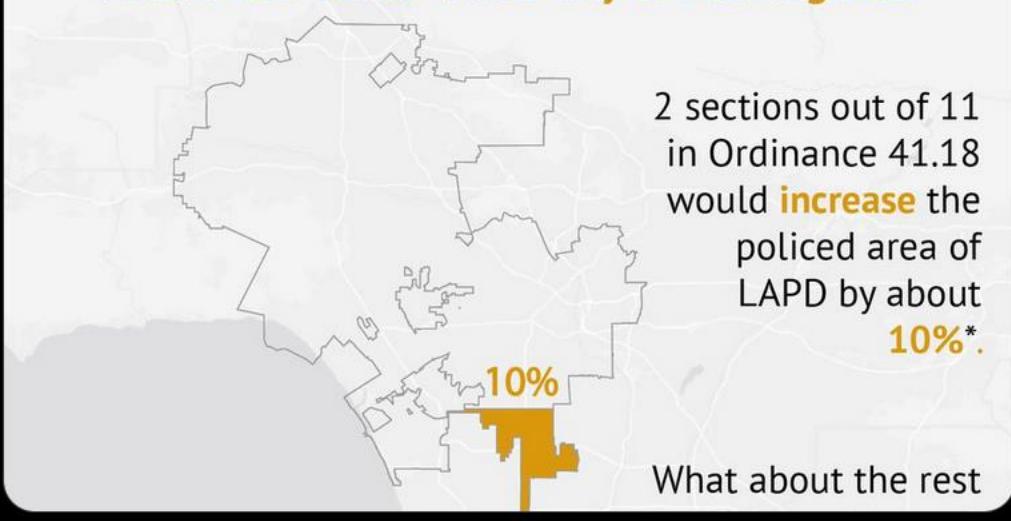
How its going

 **Albert K** @albertkun · 3h ...

As a city we already spend way too much on policing in Los Angeles, why pass ordinance 41.18 to spend even more and further criminalize houselessness? We should be focusing on providing #HomesNotZones and a #Right2Rest.

More info:

Where can we be in the City of Los Angeles?

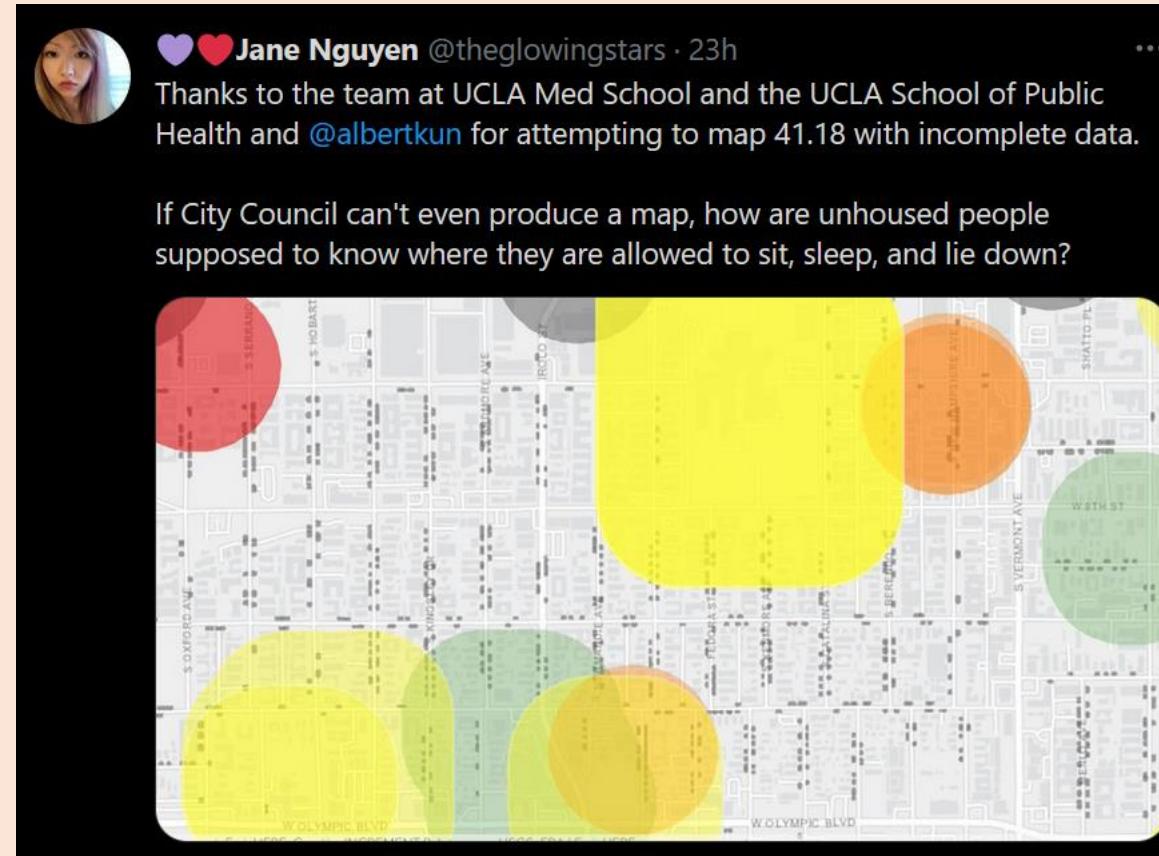


2 sections out of 11 in Ordinance 41.18 would **increase** the policed area of LAPD by about **10%***.

What about the rest

<https://twitter.com/albertkun/status/1420217742766993409>

Community Organizations are always welcoming



<https://ktownforall.org/>

You can also reach out too!

The screenshot shows a web browser window. On the left, there is a dark sidebar containing an email message. On the right, the main content area displays the UN Smart Maps website.

Email Content:

Participation in Smart Maps Online Seminar

KA
Kochaphum, Albert
To ● taro.ubukawa@un.org

Hello Mr. Taro Ubukawa,
I would like to attend the Smart Maps Online Seminar. I am a local resident of Los Angeles, California, Los Angeles (UCLA).

Feel free to let me know if you have any questions.

Thank you for your time.

All the best,
Albert Kochaphum

UN Smart Maps Website Content:

UN Smart Maps

Keep web maps open for a better world

What is UN Smart Maps?

You never know where the paths will take you if you keep an open (source) mind!

Don't be afraid of contributing.....

Find a community that uplifts you



Find a Community that uplifts you

 Closed added `leaflet hex timeslider` plugin #7590
albertkun wants to merge 1 commit into `Leaflet:master` from `albertkun:patch-1` 

 Falke-Design commented on Oct 29, 2021 Member ...
`@albertkun` should this PR merged?


  Falke-Design requested changes on Nov 23, 2021 [View reviewed changes](#)
Member ...

Falke-Design left a comment
Please change the PR and mark it as "ready for review"


Let's always pass the goodwill we receive onto others!

The screenshot shows a GitHub issue page for a repository named "UNopenGIS / 7". The page has a dark theme. At the top, there are navigation links: Code, Issues (27), Pull requests, Discussions, Actions, Projects (1), Wiki, Security, and Insights. Below these, the main title of the issue is "Smart Maps Documentation Sub-working group #119". A purple button indicates the issue is "Closed". The author, "albertkun", opened the issue on April 13. The first comment, by "hfu", expresses gratitude and asks if other outreach items should be included. The second comment, by "ubukawa", expresses interest and provides information about their availability.

Smart Maps Documentation Sub-working group #119

Closed albertkun opened this issue on Apr 13 · 27

hfu commented on Apr 13

@albertkun Thanks your your contribution!

Do you think it is a good idea to include other outreach items such as #88 and #115 to "Documentation Sub-working group", or shoud we think about them separately?

albertkun commented on Apr 13 • edited

Please comment in this thread c with Smart Maps sub-working g

ubukawa commented on Apr 16

Dear @albertkun

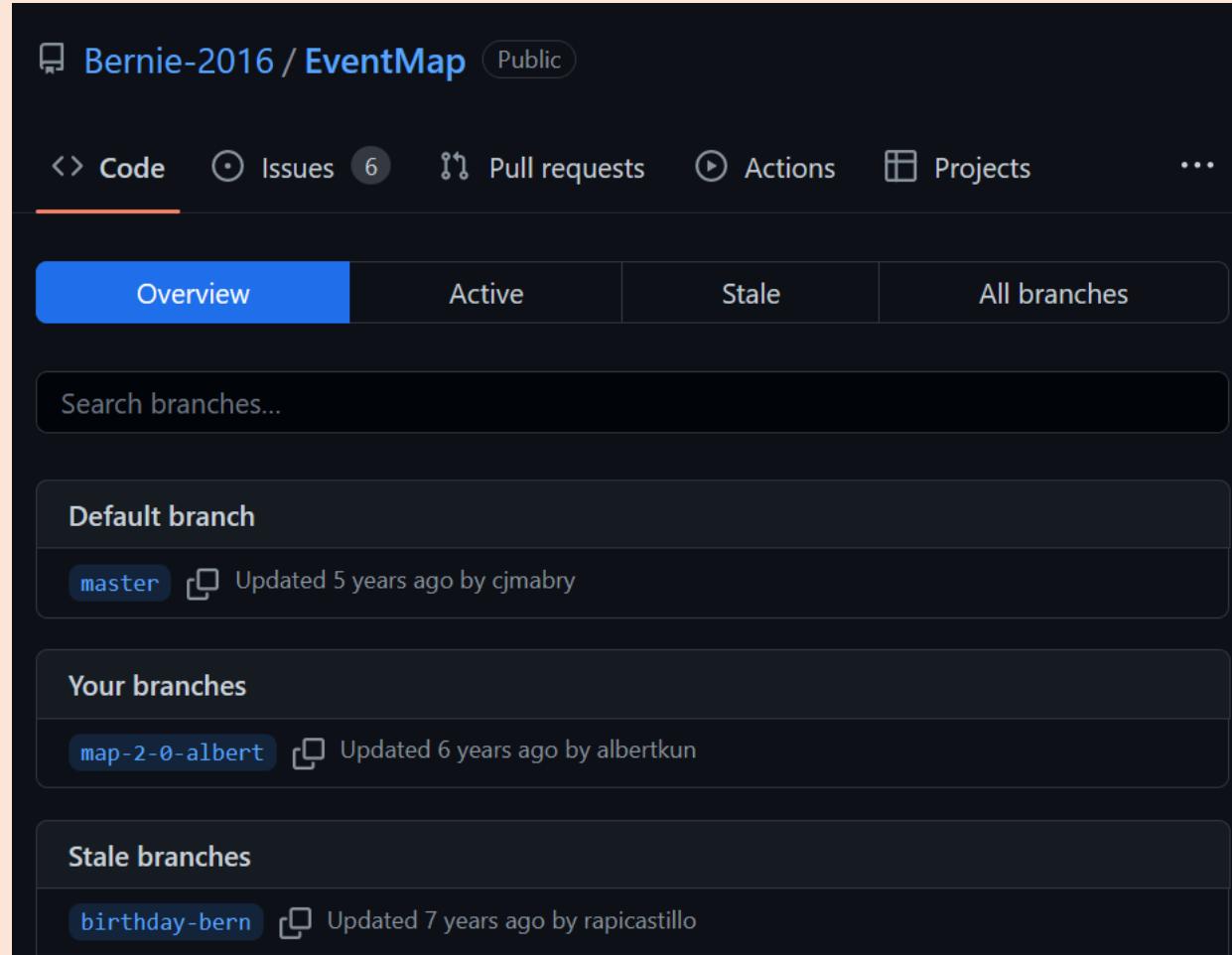
Thank you for your effort!

I am interested in working with you.

(But, I am still at my transition period, and I am not sure about my next responsibility allows me to spare some time for it. Please register me as a volunteer with such consideration;D)

For your informaiton, I wrote my Qiita articles for the following audiences:

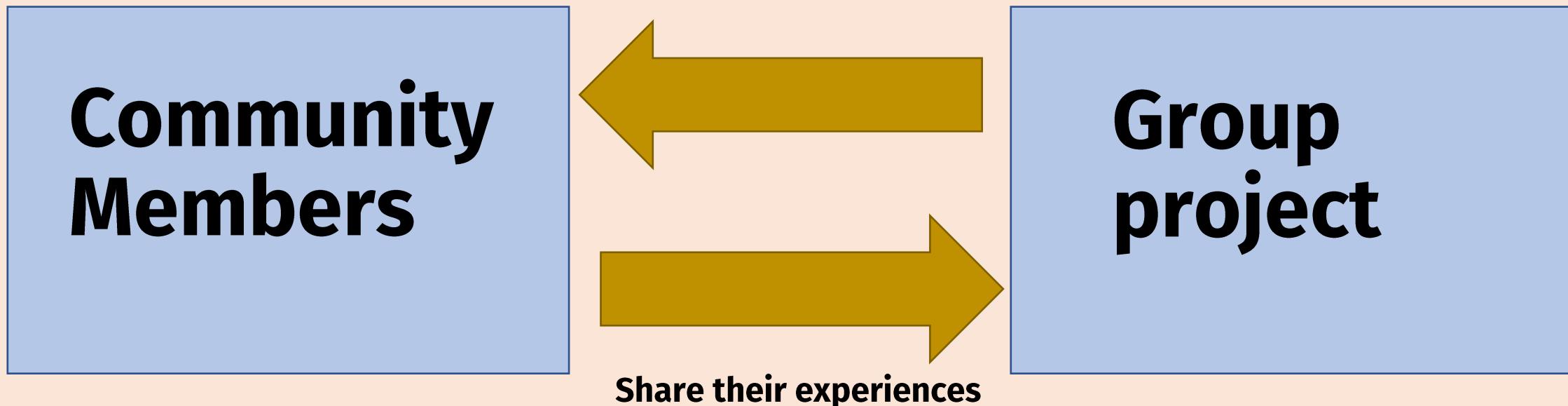
I became friends with Rapi through contributing code!



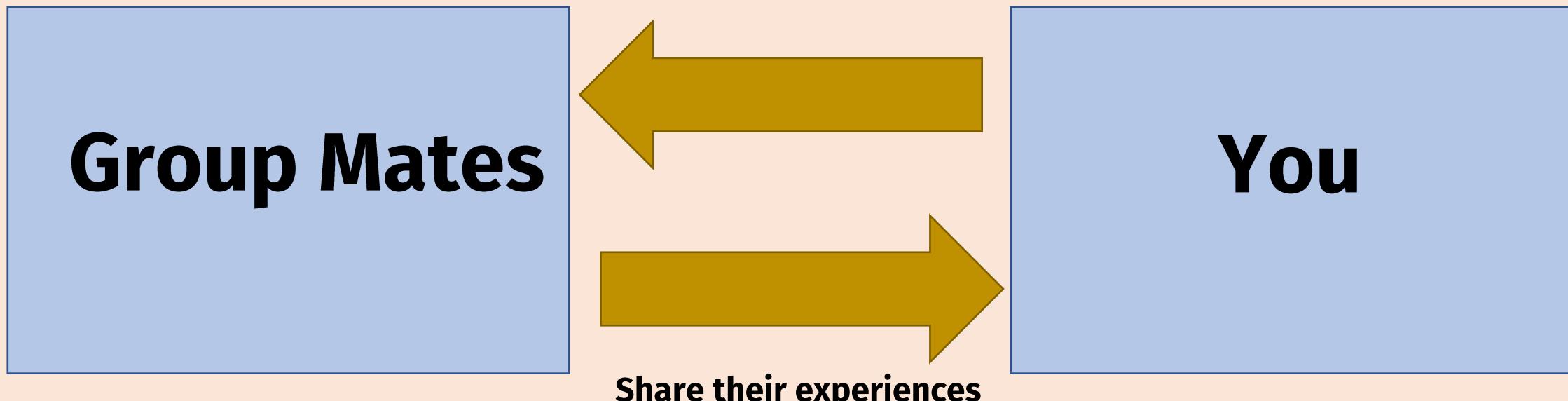
**The true nature of “web development” is
creating these welcoming spaces for everyone
to make a difference.
(not just coders!!!)**

Your **final project** puts all this into practice

Final Presentations

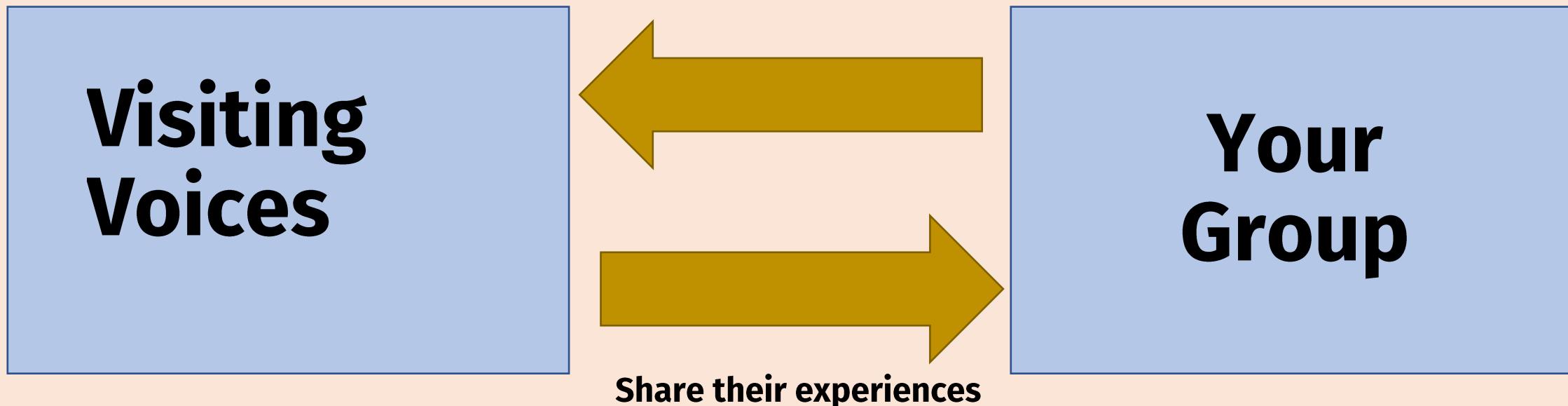


Final Presentations



If this isn't happening. Please see me ASAP.

Final Presentations



Wrapping things up

Final Assignment

Final due Tuesday 6/14

**Class Material, GitHub repo, and
Discussions will always be open source**

(except this lecture!)

<https://albertkun.github.io/23S-ASIAAM-191A/>

The Discord server will be around too!

Staying connected afterwards...

ALumni Newsletter

July "Welcome to Design Justice" Online Social

The [Design Justice Network](#) is having a "[welcome](#)" on [July 10th, 5pm PST](#)! I'd like to attend and also host a social event afterwards in the spirit of Lucy and not burning out, respond below if you'd like to participate in either the online social and the Design Justice webinar!

For the social I am thinking party games like, online pictionary, Jackbox.tv, and/or Among Us. We can also screen movies/shorts or raid Lucy's live stream! This event will take place on [Discord](#).

Register and learn more about the "Design Justice Network Welcome" here:

<https://designjustice.org/events-1/2021/3/28/welcome-to-the-design-justice-network-meeting-1pm-et-gmt-04-rethl-sylde>

I'm interested in this event!

Opport-June-ities

Here are some opportunities of interest:

[Paid] [June 21-24] [\$150] Asian American COVID-19 Public Service Announcement

Breanne Hamilton is a producer local to Los Angeles and her team, [Lion Heart Films](#), is working on a PSA about the importance of the COVID-19 vaccine for

For those that indicated interest in week 5!!

2023 Spring Final Westwood Boba Run

Just us for a boba run on Tuesday, 6/14 at 7pm for a last hurrah celebrating the end of the spring quarter and my UCLA teaching!

Feel free to give me call if you are unable to find us: (415) 323-8862.

For everyone's safety please **do not** show up if you are not feeling well.

**See you at the boba run after the final
(previous class alumni are invited too!)**

Course Evaluations

**Beyond Web Development and GIS for
Social Change**



Logistics

Lecture

Course Eval

Final Exercise

1. Take 5 – 10 minutes to fill out the class evaluation forms.
<https://be.my.ucla.edu/>
2. Go to this Google Doc and find your name
https://docs.google.com/document/d/1c8z_5Sz2C23ok10VETuP9naBTwElf1pz45ZeSL6Qyxl/edit?usp=sharing

Last Message

**Beyond Web Development and GIS for
Social Change**

Logistics

Lecture

Course Evaluations



Last Message

PUSS IN BOOTSTM

AL
IN THE LAST WISH



One Piece of advice.....



Equivalent Exchange



Empowering civil society means that civil society empowers us all too.

Remember this?

**Our experiences and the communities we
empower is objective.**

~~Equivalent Exchange~~



Above all that, the experiences we share together have no equivalence.

If you are feeling **low** that this course is ending.....

Then let's end on a



note:

This course never ends!

Why?

No matter where we go and what we do....

Web Development and GIS for Social Change: Critical Data for Transforming Civil Society

So, let's keep developing
our web together!

THAN^K!!

See you on Tuesday and stay in touch!



albertk@gmx.com



@albertkun