How to use this deck

First, make a copy of this deck to create your presentation.

To customize the deck to your needs, pick the slides you want to keep and delete everything else.

You can right-click in the left-hand window to create a brand new slide—or just duplicate an existing slide and delete its content.

Handy tips

- Export to PPT by clicking File > Download > Microsoft PowerPoint.
- When you paste text, paste without formatting; the pasted text will adopt the correct font and size.
- If you need to reduce the size of body copy to fit, consider splitting your slide over two pages.
- You can increase the size of text to highlight key points.

Layout rules

- Do not change the size or placement of the titles.
- Use the light or thin weights of fonts for most text and the bold just for highlights.
- Place large images on their own slides, or on angle-framed master pages. To add the image to these, right-click and set the image as the background. Remember to use images with a resolution of at least 1920 x 1080 (16:9 ratio).
- Avoid placing text over images

shARed space

Sarah Bearman - M.S. Student - Tempe, Arizona October 15, 2025

3-15 Min

shARed space

shARed space is an augmented reality app that allows anyone to design a community space by placing 3D objects or artwork in the area. Each person's space will be saved and can be kept private or shared publicly to be viewed by others who visit the space, and all designs combined can be used to inform urban design/city planning.

Goal

The goal of this project is twofold:

- 1) Provide an interactive experience to help build a sense of community in the local areas that people frequent. Creating a personal touch to a public space can make one feel more personally attached to the space, and the ability to share/view others' spaces can potentially foster a feeling of camaraderie with people you otherwise might never interact with
- 2) Inform city planners about what patrons who frequent these spaces need/want and allow patrons of public spaces to feel heard
 - a) For example, if a significant number of people all add extra sitting areas to a park it can act as a sort of survey for those in charge of that space that they should add more benches/ramadas to the space

Inspired by

World Building and Future Thinking



Downtown Mesa. It features LED bar tops, a variety of pinball machines, and 80s/90s classic arcade games such as PacMan, Mortal Kombat, Galaga. Level One is family friendly during the day, but nsitions into a 21+ establishment after 7pm with monthly themed parties and djs on the weekend.

Kyle Ward is the general manager at Level One Arcade Bar. He has been working in the hospitality and liquor industry for 20 years. His typical duties include making food and liquor orders for the bar keeping inventory of all products, making the staff's schedule, and managing the day to day things like making sure staff and customers abide by the rules of the establishment. Alongside his duties managing Level One Kyle also frequently does events for Tito's Vodka, manning booths for a myriad of events that Tito's hosts or partakes in

"Things are becoming more and more automated...eventually I can imagine bars getting to a point where it's make your

"That's why I like bartending as much as I do, like, you need people. I've made relationships and contacts with people that if I wasn't doing this industry I would have never met that person."

- Kyle Ward, General Manager of Level One

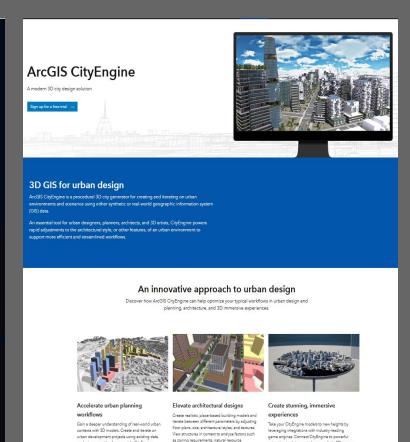
What if the city of Mesa invested in more recreational spaces like a splash pad to attract more people during the summer months?

they do in Tempe Marketplace or the Las Vegas Strip?

What if Level One collaborated with other businesses in the community to host larger events, or organized a workshop with Visit Mesa to ensure events are more effective to the local businesses?

What if there was a section of Mesa that allowed open container like

AUTOMATION EXPERIENCE

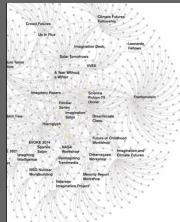


preservation, viewshed, and more.

stunning visual effects, and interactive experiences

consumes data for urban planning environment

your ideas and solve problems.



Imagination Network Gatherings

Inspired by the infectious conviviality and creative alchemy of our tenth-anniversary festivities, we launched a series of monthly virtual gatherings to forge connections among members of CSI's expansive network. Since their launch in April 2023, these convenings have provided a space for freewheeling conversations, short presentations about projects and opportunities for collaboration, and incubating inspiring ideas among imaginary friends old and new.

To be added to the invitation list for upcoming Imagination Network Gatherings, drop us a note at imagination@asu.edu.

CoFUTURES Conference

From June 15-17, 2023, CSI co-presented the CoFUTURES 2023 virtual conference. "Community Speculations and Technopolitics," hosted by our friends at the University of Oslo. This global convening featured three days of keynotes, lectures, panels, workshops, and more, considering how and why communities come together and utilize speculative methods to rethink the world, and what kinds of technologies and politics allow or necessitate

As part of the conference, we organized three roundtable sessions:

Latin American Climate Futures.

featuring Fábio Fernandes, Gabriela Damián Miravete, and João Queiroz, moderated by CSI's Joey Eschrich

Collaborative Approaches to Designing Personal Futures.

featuring Laura Cechanowicz and CSI's Bob Beard and Ruth Wylie

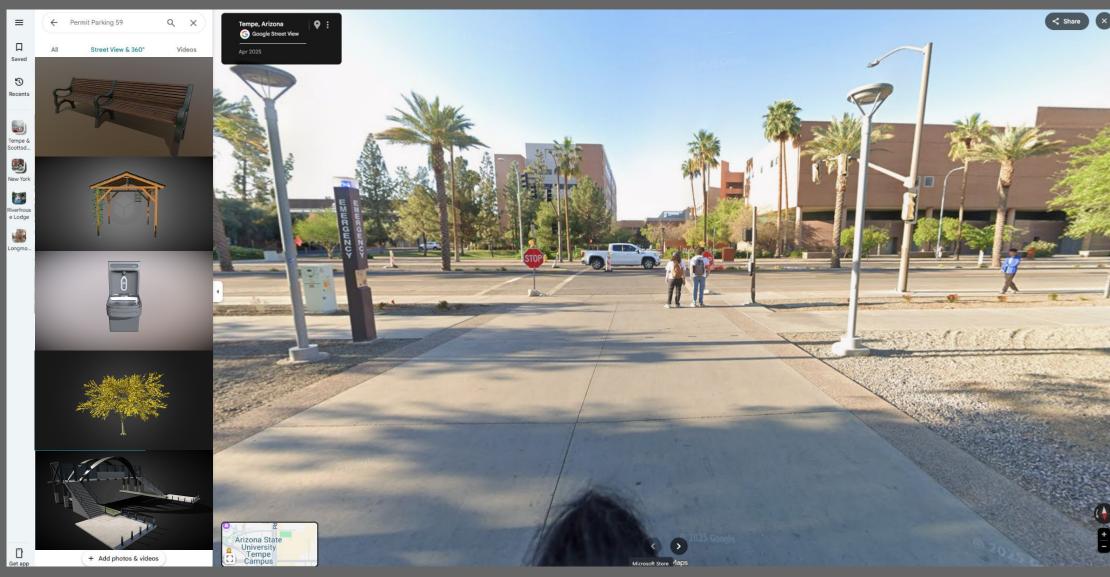
Crafting Locally Situated, Culturally **Responsive Climate Futures**

featuring Libia Brenda, Hannah Onoguwe, Gu Shi, and Vandana Singh, moderated by CSI's Joey Eschrich



INTERVIEW SUMMARY

XR interaction



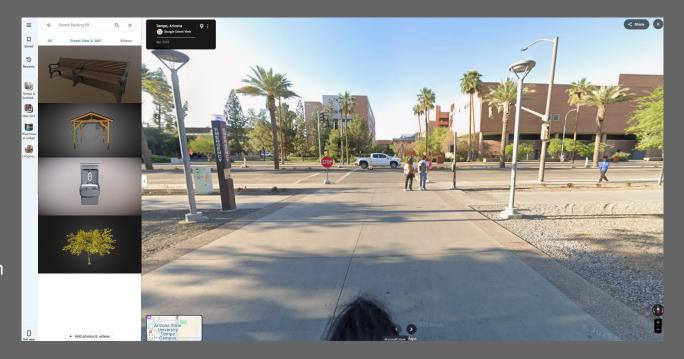
XR interaction

Users can click and drag assets into the space with an interface similar to Google Street View.

- there will also be a "suggestion box" input where people can submit assets that should be added to choose from
- this "suggestion box" can also be used for suggestions that aren't related to adding physical assets.
 - ex) in busy 4-way intersections with a lot of pedestrian crossings, green lights don't allow pedestrian crossings and instead include a time where all lights are red and students can cross in all directions, even diagonally

Using the ArcGIS integration, the app can know the location of where in the real world objects are being added

this can be used to create hotspot maps of where people want different features



Environments

This app can be used in all environments, though the public input part will likely only be effective for outdoor environments since indoor environments are privately owned

- a future iteration could allow businesses to have special accounts so they can get input from people who frequent their establishments
- businesses could use it as a virtual gallery space to bring patrons in

The assets to choose from will be grouped into categories, so people can choose from things like:

- Indoor plants
- Outdoor plants (could use location to limit assets to native species)
- Outdoor structures (benches, bridges, etc.)
- Amenities (drinking fountains, outlets/charging stations, etc.)







Other references

<u>Augmented Reality & GIS</u>

<u>Create 3D web apps—3D Workflows | Documentation</u>

Use Living Atlas 3D OpenStreetMap layers to add context to scenes

Mastering Google Maps AR Navigation and Live View - BrandXR



3D GIS: Creating a Digital Twin

Explore the digital twin of Zurich that leverages the ArcGIS ecosystem to create a comprehensive 3D representation of real-world infrastructure.

(8mins

Video

Thank You!

Name - Date - Version

Please share your images and videos

Delete this note