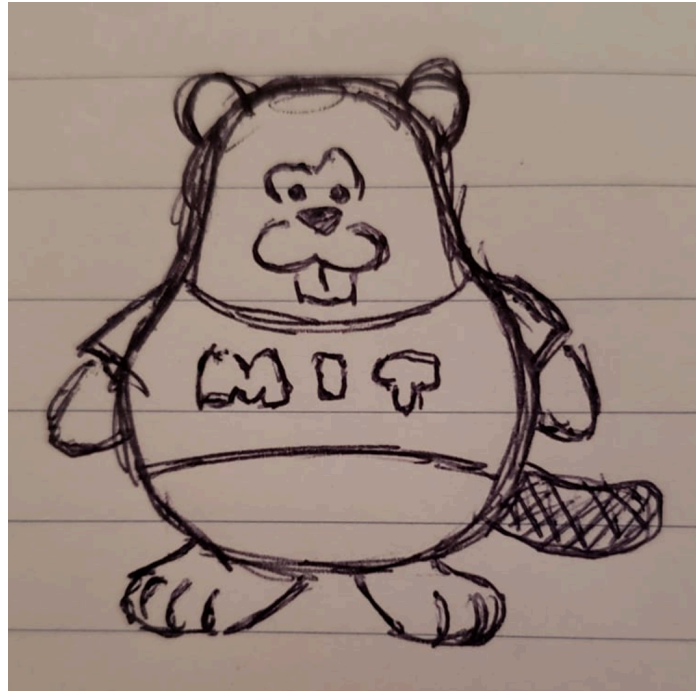


Digital CPW (Club Beaver)



Contributors

(this is just so we can get a sense of who to include in case emails happen with MIT Admissions or something of that nature)

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Why?

At this point CPW is canceled because of Coronavirus travel restrictions. CPW is arguably one of the most important parts of any MIT student’s career, and is also a helpful time for Pre-Frosh (“admitted student”) to decide that they want to join the institute. At this rate, the Class of 2024 will not have CPW, which is unacceptable.

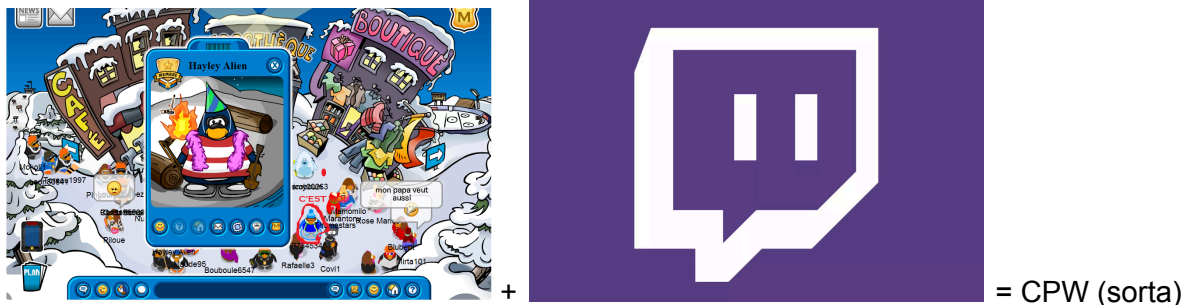
Also, because student groups and communities that depend on CPW for recruitment/outreach to students need those opportunities (e.g. IFC, Panhel, MGC, ILGs, Clubs, SHPE, Dorm Cultures, etc.)

What?

At this point, the initial idea is for a digital CPW, online conference, streaming extravaganza where MIT students and groups on campus, in conjunction with the admissions office and whoever else, can host digital events for prefrosh around the world to still get a CPW-ish experience.

By creating (or even using) a platform idea similar to club penguin, where people can build online identities that can attend online spaces, we can recreate a digital version of the MIT campus that has different events, tentatively in the form of Twitch livestreams (since twitch works lol), where prefrosh can “attend”. With a format such as club penguin, admitted prefrosh and event hosts can decorate their persona to their different identities, both personal and on campus (including information such as where they’re from, what they want to study, fun facts, pronouns, favorite foods, etc.)

In picture form:



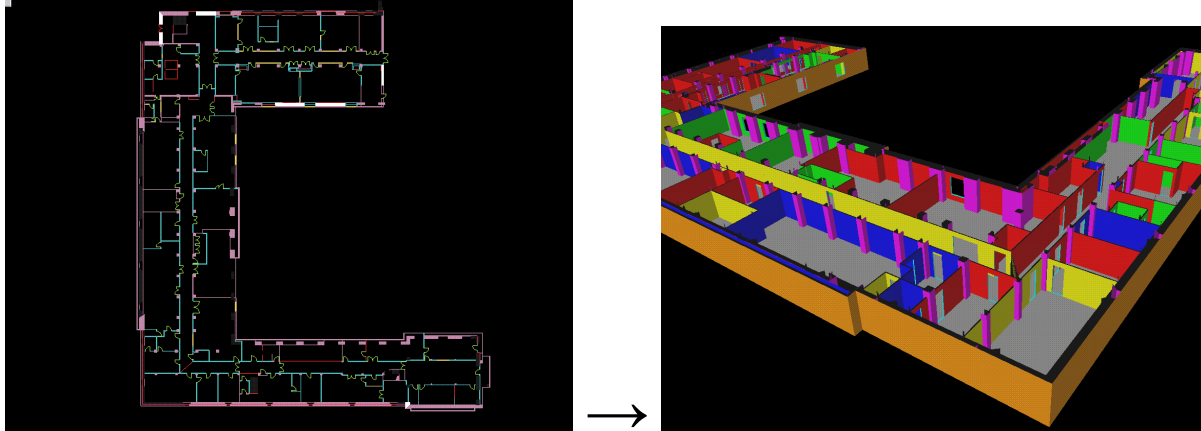
How?

This part is still undetermined, but with some form of collaboration and a focus of different groups on campus, make digital CPW come to life. Course 6's can handle the computer side, Course 15's can handle the business side, Course 2's and 4's and EVERY OTHER MAJOR AND WHOEVER makes everything happen, we all come together and make sure they aren't deprived of this experience.

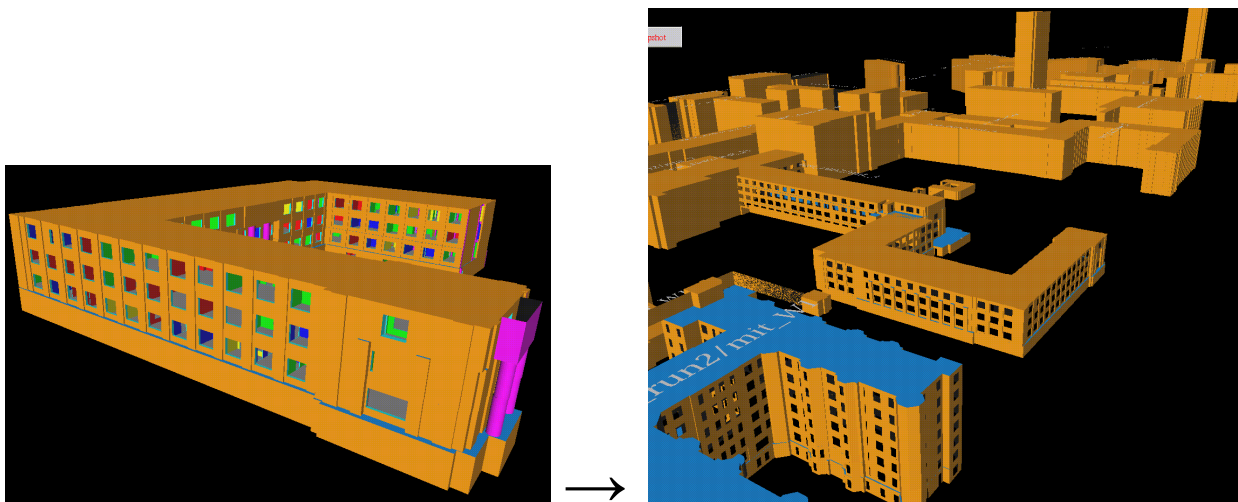
Building Model Generation (Sean Markan, CSAIL)

<http://city.csail.mit.edu/bmg/bmgnotes.html>

Software that takes an AutoCAD floor-plan and turns it into a slice of a building like this:



Then you can stack them to make the buildings (I think this is building 1):



So I don't think the LiDAR scan will be necessary, since there is a repository of floor-plans for buildings on campus at floorplans.mit.edu. **Sean Markan** mapped most of campus this way, so we should be able to contact him to avoid repeating the work that he did.

So far here are groups that I've heard have expressed interest in assistance with this:

Groups offering assistance:

- SIPB - offers computing ability to host
- DormCon - can organize dorms

What else should go here?

I don't know! Add your ideas, modify the language, do some layouts, we can figure this out

Random ideas from emails:

Doing some basic research, it looks like "[AltspaceVR](#)" would be a good platform, because it a) is [supported by](#) the \$150 standalone oculus go, b) has a 2D PC mode for anyone who can't or won't get a headset (e.g. [AFrame-compatible](#)), and c) [has SDKs](#)/seems to be capable of [custom worlds via unity](#)

LIDAR scan the campus -> autocad -> blender -> unity -> virtual MIT accessible to anyone with a PC or in snazzy VR for \$150.

- This + Google Cardboard would be SICK! -Gonzo

I'm sure this would be somewhat more challenging in practice, and you would probably want to break it up into many smaller worlds. But having one world each for the dorms would be cool. Imagine being able to fuck shit up I N T H R E E D I M E N S I O N S

- ^ this is so dope, does anyone know anyone who knows this sort of thing? -Gonzo

Offering Google Cardboard or something similar as an option at least provides a cheaper VR experience to a wider audience (smartphone owners) than only relying on Oculus-style rigs does.

Video chats:

Giving MIT students and potential prefrosh a chance to chat about their experiences - MIT students could input the times they're available for a 20-30 min chat and major(s), dorm/living group, extracurriculars, hobbies, hometown/background, etc, and potential prefrosh could sort by what things they're interested in learning about! Kind of like matching hosts, but for a briefer conversation and the opportunity to learn about specific things prefrosh would've looked into at CPW. Ideally, MIT admissions would help with this to make some centralized website to match people up.

Darius's Decentralized DPW:

Essentially, I think to make this work at scale, we have to take inspiration to why CPW works at scale, and it is the MIT students. No central body is making hundreds of events for the prefrosh during normal CPW, and with ~a month before DPW, we probably do not have time to create tons of complicated experiences.

I think what should be done is a medium group of students create a website 'Center' that is highly scalable, and a 'template' webpage for student groups. We distribute the 'template' webpage, and student groups can fill it out to include pictures, FAQ's etc. We also should probably support links/embedding of streams. For the sake of time, some functionalities should be outsourced. "Chatrooms" should probably be implemented through slack or discord instead of the website itself. The centralized team would be responsible for hooking up all of the group

pages. If a student group lacks webdev ability, they can fill out a google form and the centralized team will make a basic page for that group based on the google form.

Moderation of the pages would probably be needed, but since they can't be updated in real time, it should be a one time check. One big limitation of this system is the lack of flexibility: Once a Group-Page is made, it will probably be non-trivial to update it. Maybe each Group-Page links to a google doc for errata? But then who is responsible to updating errata.

Specs:

Central Page:

- Some list / hierarchy of group pages. Maybe breakdowns by type, like Dorm, Academic, Non-Academic, Sport, etc
- That's really it. I think Account Creation is cool, but the overhead of security on that is messy
 - ^Yeah security is meh, we could just try to keep it restricted with links

Group Page:

- Pretty much up to the student group what to put on these, but we should spec what we will support
- Text
- Links to google docs?
- Embedded Videos
- Embedded Streams?

Which web tech to use?

- HTML/CSS
 - Hard to work with but most accessible to people with little webdev?
- React/ some Framework™
 - Easily to make pretty things but the student groups would need to know how to work with it
 - ^ I like React
- Full on Google Docs, where webpages are literally Google Docs
 - ^ This is also a vibe