Bridging the gap between community and recorded lecture watching
meet our team

David Estrada-Arias  
B.S. | CS  
M.S. | CS

Paulina Anzaldo  
B.S. | CS  
Minor | Mod. Lang.

Jake Wagner  
B.S. | CS  
M.S. | CS

Elena Wagenmans  
B.S. | Product Design  
Minor | CS
Look around? What’s the problem? Do you see any faces?
overview

Needfinding → Design Process → How it works → Next steps

Solution
Students across the board are currently struggling with engagement, motivation, and accountability.
Meet Yos

Freshman at MIT

Attending school virtually

Finds it difficult to build community online
We were amazed to realize how much more he would rather do work on his own than schedule a time with friends. It would be game-changing to make studying less of a solitary activity.
We met with a technically capable yet frustrated high school chemistry teacher named Mr. Williams. We were amazed to hear that he spent around 10 hours to record an individual hour-long lab. He had to spend an enormous amount of time on recording the lab with multiple cameras, doing multiple takes, editing the videos, and then eventually uploading. It would be game-changing if we could give this teacher hours back every week by updating this online chemistry lab routine.

We met Alex, a college student who falls behind in algebraic us classes. We were surprised to realize that she does not receive any attention and distracts herself with other tasks/windows. It would be game-changing to balance efficiency with presence in the virtual classroom.

We met Joe, a freshman at MIT attending classes virtually. We were amazed to realize how much more he would rather do work on his own than schedule a time with friends. It would be game-changing to make studying less of a solitary activity.
Idea 1: Communal Watching of Recorded Lectures
- Have students watch the lab together like Netflix party
  - NetflixParty for recorded lectures
  - Healthy binge watching of lectures
  - Lectures become series, join the #party.

Idea 2: Community based platform for teachers
- <== yelp for lesson plans
- STRAVA for teachers
  - Platform for teachers to see how other teachers adapt labs for the online setting
  - database of common lab experiments

Idea 3: Partner-matching and collaborative platform for studying
- study app with activities and break suggestions
- partner matching. Like marriage pact but changes every week so you connect in new ppl for HW
  - scheduling system to work with friends on homework (either same class or different)
- easy scheduler across time zones with friends
- walkie talkie for classes
How might we encourage students to prefer studying with friends over studying in solitude?
solution
Build an engaging community around asynchronous learning that people are excited to join.
key features

Attend asynchronous lecture watch parties
key features

Interact with your friends in the chat and class discussion.
key features

Connect with friends by sending and receiving lecture invites
key AI insight

lecturely leverages AI to suggest smart pausing and concept checks
design journey
Lo-fi Prototype: Balsamiq

- Buttons don’t match function
Med-fi Prototype #1
Med-fi Prototype #2

My inbox
Pending Invites

- Pau is inviting you to CS 245 Lecture 04: Storage Formats Wednesday, October 3 @ 10 PM
- Elena is inviting you to ENG 40 Lecture 01: Internship Monday, Oct 24

Upcoming Parties

- CS 245 Lecture 01: Introduction with Paula 9:00 - 10:00 pm Monday, Sep 24
- CS 245 Lecture 02: Database System... with David 10:00 - 11:00 am Monday, Oct 1
- CS 245 Lecture 03: Database Architecture with Elena 04:00 - 05:00 pm Monday, Oct 1

Be the first to start a watch party.
Lecture 03: Storage Formats

Explain the difference between processes and threads.

Solution here...

How many transactions can be processed in 800 ms?

Solution here...

How many processes can the JVM run "synchronously"?

Solution here...

Woohoo! Your question will appear in the next checkpoint
Med-fi Prototype #3

My Inbox

Pending Invites
Accept All

Pau is inviting you to
CS 245 Lecture 04: Storage Formats
Wednesday, October 3 @ 10 PM

Decline
Accept

Upcoming Parties

CS 245 Lecture 01: Introduction
Wednesday, September 30
9:00 - 10:00 pm

CS 245 Lecture 02: Database Systems
Monday, October 1
10:00 - 11:00 am

CS 245
Monday, Oct 1

CS 245
Monday, Nov 8

My inbox

Pending Invites

Wooohoo! You're up to date with invites.

Upcoming Parties

CS 245 Lecture 01: Introduction
Wednesday, October 3
8:00 am - 9:00 am

CS 245 Lecture 02: Database Systems
Monday, October 1
11:00 am - 12:00 pm

CS 245 Lecture 03: Distributed Systems
Monday, October 11
10:00 am - 11:00 am

Add description

Send invite

Dashboard

CS 245 Lecture 03 Watch Party

Wednesday, October 3
8:00 am - 9:00 am

Start a watch party.
Lecture 03: Database Architecture

Stanford Center for Professional Development

Spring Quarter 2019

CS 245
task 1

motivation: find a way to create an account and connect with relevant lecture content
task 1

sign up for your classes and navigate to your dashboard
task 1

sign up for your classes and navigate to your dashboard
task 2

motivation: build your community, interact with your friends, and schedule lecture watch parties
task 2

accept your pending invites and create your own watch party invite
task 2

accept your pending invites and **create** your own watch party invite
task 3

Motivation: Learn with your community and make asynchronous learning a more engaging experience.
task 3

participate in the lecture and interact with the class questions and discussion
Task 3

Participate in the lecture and interact with the class questions and discussion.
demo
next steps

- Add more core functionalities
- Build an MVP
- Pilot in multiple universities
- Scale across post-secondary institutions

- Add functionality for lecture analysis
summary
A platform that allows you to watch recorded lectures together with friends and discuss topics in a more comfortable setting.
A platform that allows you to watch recorded lectures together with friends and discuss topics in a more comfortable setting.
impact

more accountability, motivation, engagement

new way to learn and teach!
accountability, motivation, engagement.

The new way to learn and teach!
Bridging the gap between community and recorded lecture watching

Join the lecture watching party!

http://web.stanford.edu/class/cs377e/projects/Lecturely/

Feel free to contact us at {dae783, elenawa, jtwagner, panzaldo}@stanford.edu