

# SchoolVR




*Virtual Reality  
Classroom Experience*

by Jason Nguyen and  
Weibo Zhao



# Problems

## What you get from taking an online class

<b>Flexibility</b>	
<b>Low cost</b>	
<b>Quality</b>	

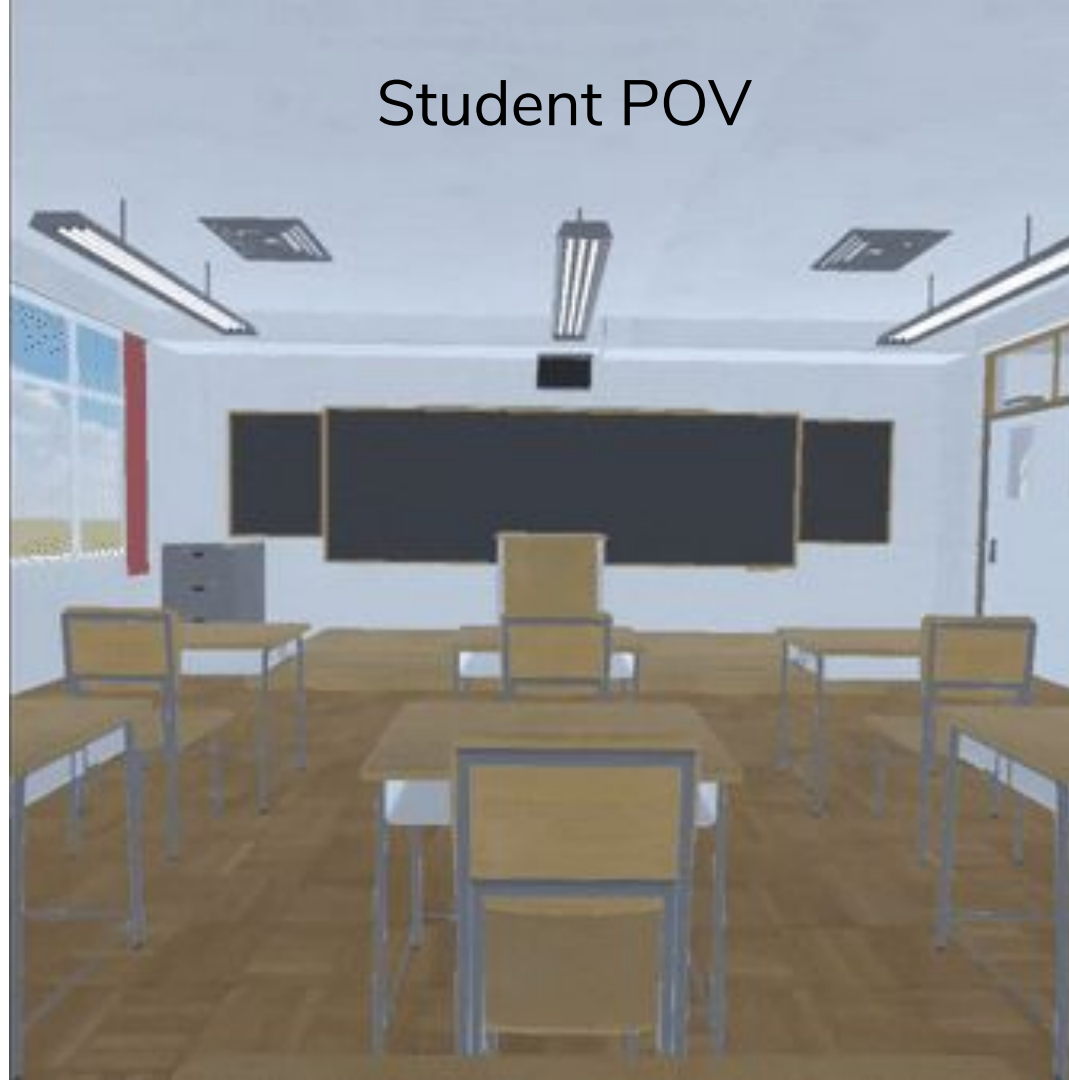
- Lack of mentorship
- Lack of peer to peer interaction
- Lack of engagement in class material



## Solution

- Multi-user platform
- Classroom setting
- Student community

Student POV



## Solution

- Scheduled live lecture & Lecture replay with TA
- Proximity voice chat & friend system
- In-class student response system

## Presentation



## Current Slide



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## Problems

- Online course enrollment grew by 350,000, a 5.7% increase in 2017.
- Cheaper than university courses
- Flexible and convenient



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## Lecture Notes

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## Participants

	<b>John Doe</b> Joined: 31 minutes ago	<b>Muting</b> 5min left
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# Marketing Strategy

TAM: Learning Management System Market

\$5.2 billion in 2017

Branching

Military, workforce training, etc.

SAM: Higher Education Learning Platform Market

\$316 Million in 2017

SOM: 1% of Higher Education Learning Platform Market

\$3.16 Million in the first year



echo<sup>360</sup>

Panopto



Blackboard



Brightspace  
by D2L



SchoolVR



SchoolVR

	Live/ recorded video lecture	Student/Teacher UI	Assignment and grading	Teaching assistant	VR
Echo 360	✓	✓			
Panopto		✓			
Blackboard		✓	✓		
Brightspace by d2l	✓	✓			
SchoolVR	✓	✓	✓	✓	✓

# Validation

- Interviewed 15 professors and students
- In contact with 5 important future customers
- Dr. Ma
- Features that promotes teamwork and allow for group projects





# Validation

- Matthew Michaud
- Education expert and administrator at La Salle Institute
- Features that promotes teamwork and allow for group projects



## Dr. Alexander Ma



- Senior Lecturer of Chemistry at RPI
- Director of Outcome Assessment and Program Evaluation for the School of Business and Technology at Excelsior College in Albany, NY
- Worked extensively with the LMS of blackboard at both RPI and Excelsior
- Current offerings lack:
  - Connectivity
  - Immersivity
  - User Authentication
- Wants:
  - User friendly for students and professors
  - Some kind of face-to-face interaction





## Online Education Services

### SNHU

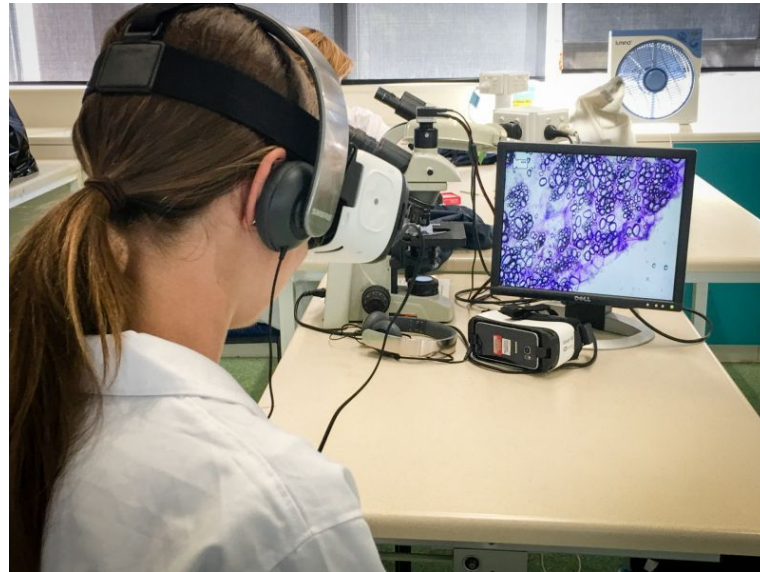
- Academic Advising
- Tutoring Services
- Career Services
- Writing Center
- Wellness

### ASU

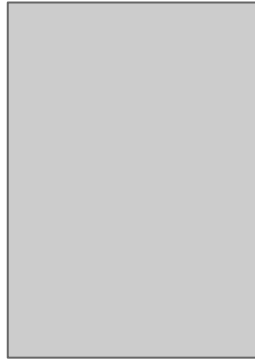
- Online Tutoring
- Career Services
- Success Center
- Pitch App

# Validation

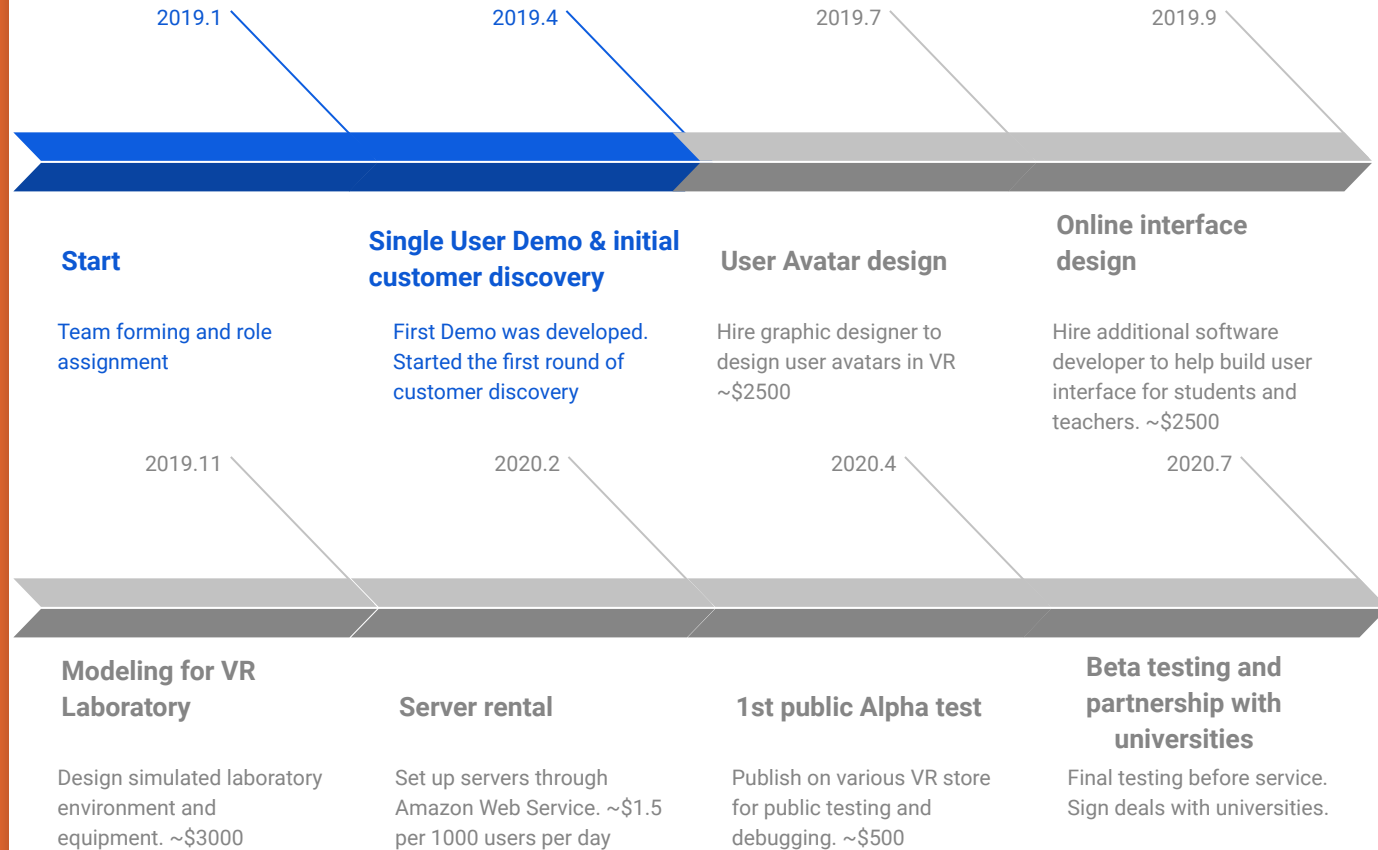
- Leader in e-learning
- 20k students taking an online course
- VR in biology class
- Moving towards other science classes
- Lab experience!



# Team



# Future Plans



# Future Plans



Beta testing and partnership  
with universities

1st public Alpha test

Online interface  
design

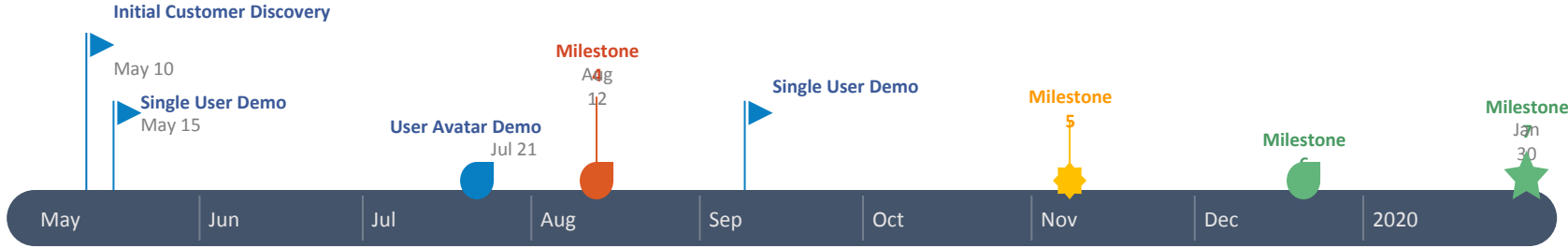
User Avatar design

**Single User Demo & initial customer  
discovery**

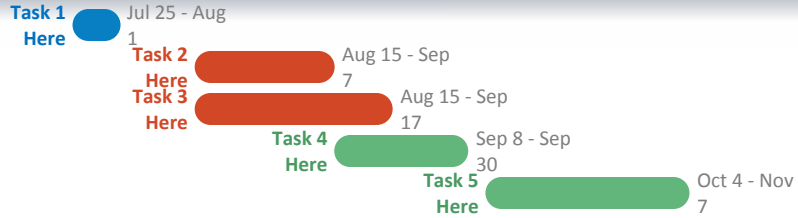


Questions?

2019



2020



Product	Oculus Rift	Sony PlayStation VR	HTC Vive	Oculus Go	Samsung Gear VR (2017)	HTC Vive Pro	Lenovo Mirage Solo With Daydream
							
	Best Price	\$224.95	\$499.00	\$199.00	\$99.00	\$798.97	\$372.19

	UNDERGRADUATE		GRADUATE	
	CAMPUS	ONLINE	CAMPUS	ONLINE
<b>Cost per credit hour</b>	\$735 (out-of-state)	\$400	\$500-\$830	\$500-\$625
<b>On-campus housing</b>	\$2,060-\$3,565	\$0	\$2,060-\$3,565	\$0
<b>On-campus meals</b>	\$1,195-\$1,988	\$0	\$1,195-\$1,988	\$0