

APRIL 02. 2020

CENTRE FOR
DIGITAL MEDIA

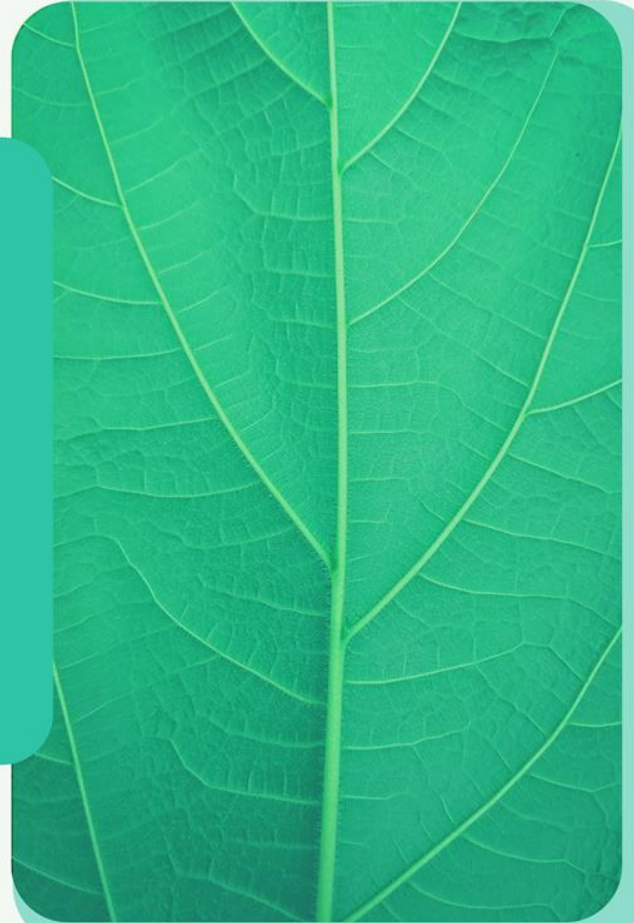


For Dr. Omamah Almousa



TEAM INTER-VEIN

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Heidari, Leo Chen, Emily Yao,
Meg Dimma





AGENDA

- A trip down memory lane
- Objectives
- VCS
 - Features
 - Value
- Challenges
- The Future of VCS
- File Handover
- Reflection
- Client Props
- Open Door
- Next Steps
- Questions
- Thanks



WHAT A RIDE IT'S BEEN

Our first meeting was January 8th, 2020. The 6 of us were new to each other, and this project was new and unknown.



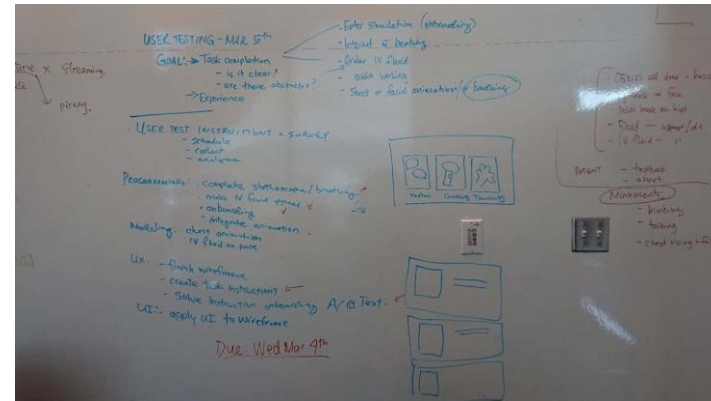
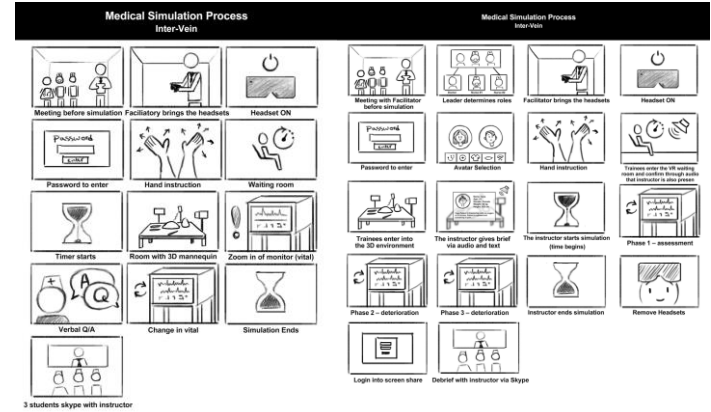


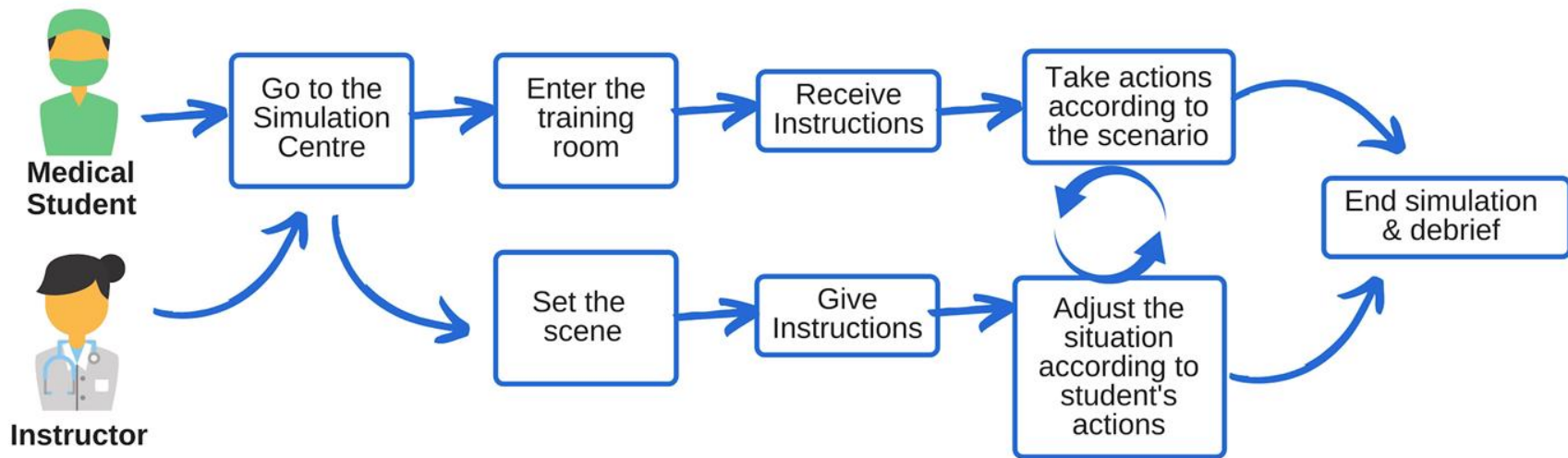
SITE VISIT

VGH+
UBC



SPRINT





USER FLOW

Make medical simulation training accessible to resource limited areas through the creative integration of advanced digital technology and tele-simulation.





PROJECT OBJECTIVES



ACCESSIBILITY

Feasibility of clinical training through digital enhanced simulation

TELE-PRESENCE

Enabling educators and learners in remote locations to share virtual learning environments and overcome distance barriers.

UI CONTROLLING SYSTEM

The Instructor can manipulate the scenario based on trainee's reactions

HIGH FIDELITY

Realistic patient, objects and environment



KEY FEATURES

Tele-presence

Interactive Control Panel

User Friendly

Pre programmed scenario

User onboarding

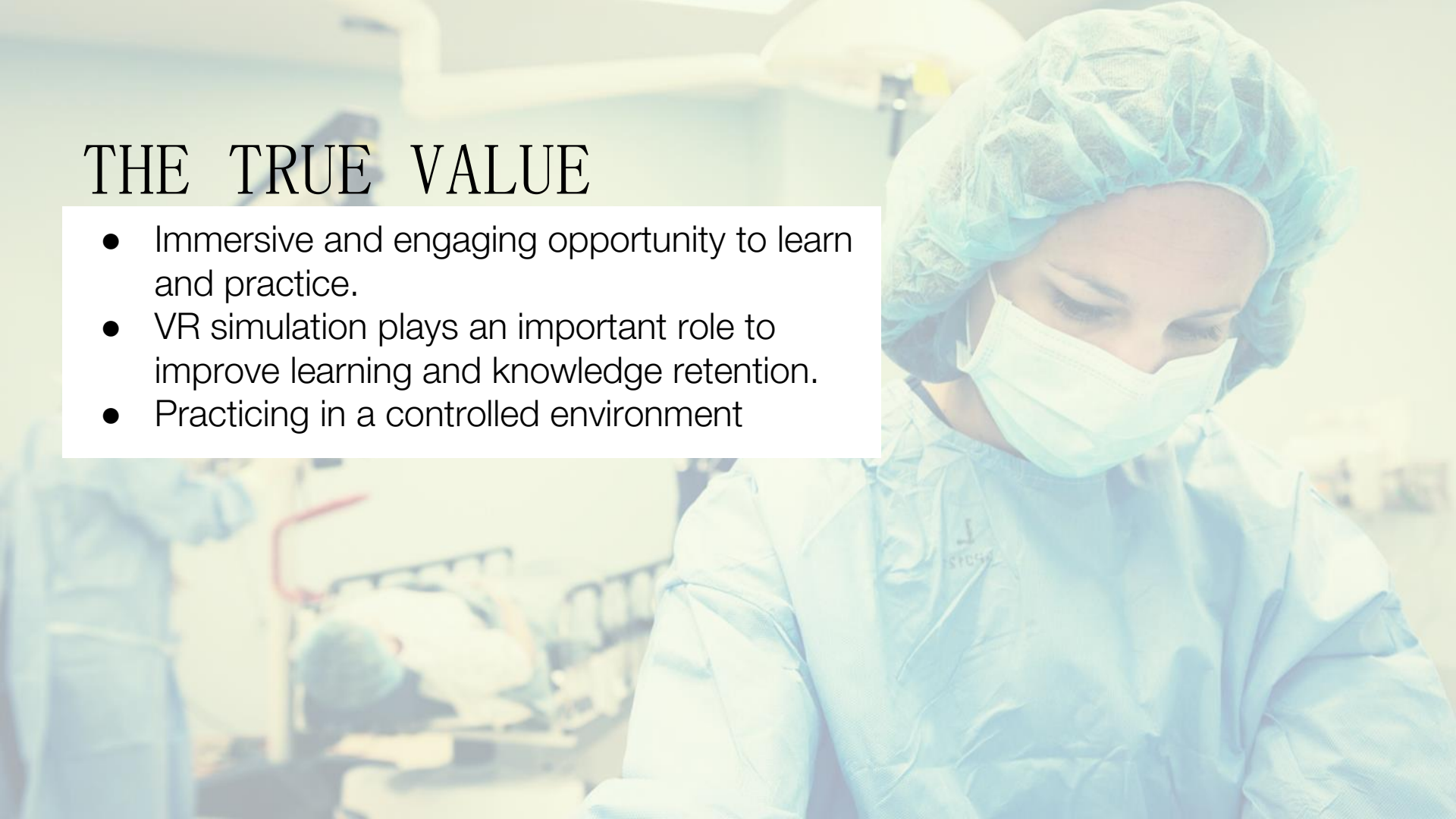
Realistic Environment

Interactive tools and objects

Animated patient

THE TRUE VALUE

- Immersive and engaging opportunity to learn and practice.
- VR simulation plays an important role to improve learning and knowledge retention.
- Practicing in a controlled environment





UNIQUE VALUE

OPTIMAL LEARNING

VR provides students with an immersive and engaging opportunity to learn and practice.

TELE-INSTRUCTION

Educators do not need to be physically present to assess students.

REPLICATED LIFE-LIKE SCENARIO

VCS provides a realistic virtual environment with high fidelity customized objects, tools, equipment and patient that allows users to learn in a life-like scenario without consequences.

ACCESSIBILITY

Use anywhere any time.
Barriers of distance, cost and personnel are lessened.

With this model of delivery, access is affordable.



CHALLENGES

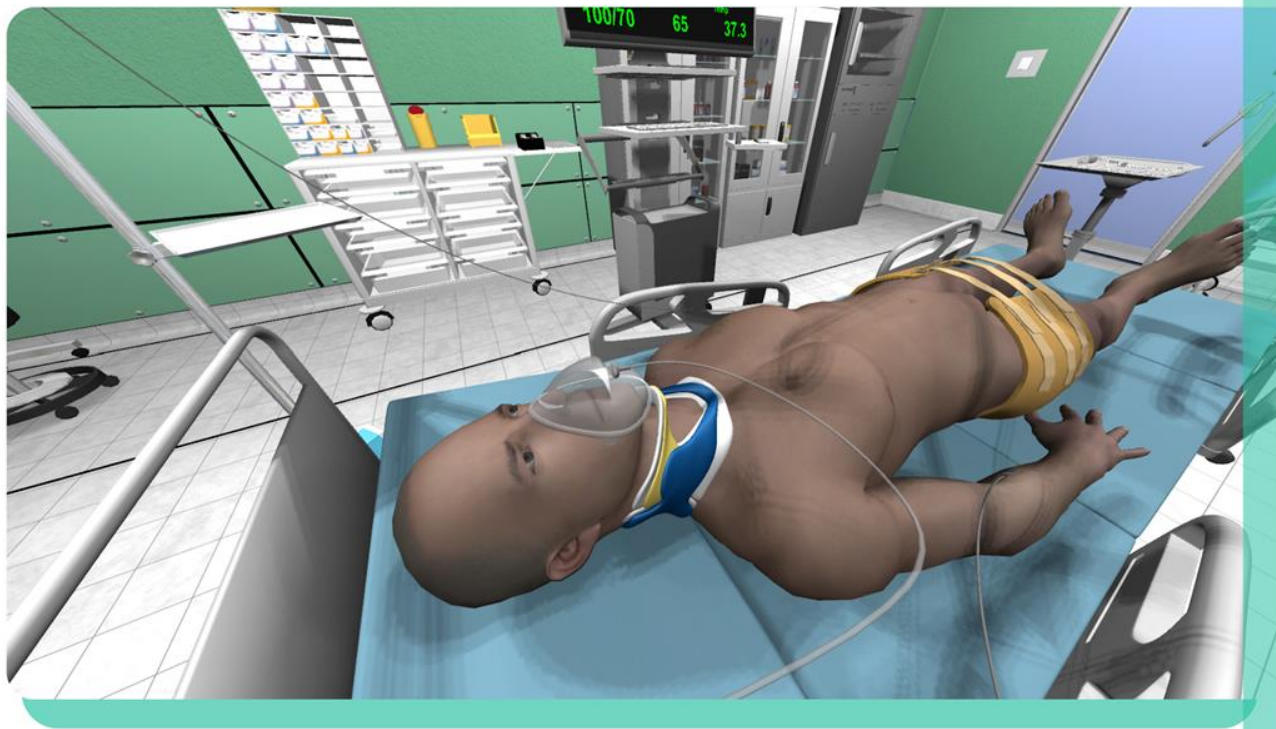


- AR vs VR
- Hololens vs Oculus
- Discovering clinical simulation
- Jumpiness
- The server issues
- Co-vid!
- The mysterious coffee mug
- The audio



SUCCESS

We managed to overcome our challenges, and in 3 short months developed a functional prototype that we are all proud of!

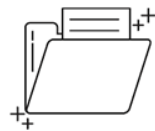




THE FUTURE

- Multiplayer
- Realistic Avatars
- More Interactable Items
- Video Debrief
- Programmed Body Diagram
- Web Based
- Mobile Friendly
- Improved organizational management for bookings
- Increased functions in CP
- Translated into other languages





FILE TRANSFER

GitHub

<https://github.com/sakuya0116/VCS>

sakuya0116 / VCS

Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Actions Projects 0 Wiki Security Insights Settings

No description, website, or topics provided. Edit

Manage topics

77 commits 3 branches 0 packages 0 releases 2 contributors

Branch: master New pull request

Create new file Upload files Find file Clone or download

sakuya0116 add big files	
3D Assets	add big files
Application	add big files
Design	add big files
Unity Project	add big files
.gitattributes	add big files
README.md	Initial commit

Clone with SSH

Use a password protected SSH key.

git@github.com:sakuya0116/VCS.git

Open in Desktop Download ZIP

REFLECTION



- The project was **challenging!** it pushed us to try hard
- There were a **variety of technical challenges**
- We **solved problems** through every step. And we **overcame many obstacles**
- It included **a lot of learning** in all aspects of project for us.
- It was a **big achievement** in a short amount of time
- The project was **meaningful**
- We solved **a real world problem** - the project was especially **impactful** with the current situation in the world



THANK YOU

- To have met you, you are a great person with ambitious ideas for helping people
- Sharing your passion with us
- Allowing us to be a part of something impactful
- Trusting us
- Being patient
- Bearing with the transition to remote



THE DOOR IS OPEN

Please reach out if you need any
help!





NEXT STEPS

Monday April 6th

All documentation done

Wednesday April 8th

Video Complete, Final Presentation

*A note that our Slack channel will be closed by the end of next week





Q&A

In the video is it okay to add features that are not completely functional yet?
Ex: video debrief