

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME: Kai Li

GENDER: Male Female _____

Prefer Not to Answer

AGE: 29

Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?) _____

No

QUESTIONS:

How would you rate the **responsiveness** of the AR system during the drawing tasks? Did the system react quickly to your inputs?

Very dissatisfied Dissatisfied Neutral Satisfied Very satisfied



After vectorizing the lines, how satisfied were you with the ability to edit the vectorized curves? Did the **editing features** meet your expectations for flexibility and precision?



After vectorizing the lines, how would you assess the clarity and detail retention? Were the **details preserved** to your satisfaction?



QUESTIONS:

Which functions or tools within the system did you find most useful or lacking? How did these impact your drawing process?

ANSWERS

Back to Last step

How did you find the usability of the AR system for drawing tasks? Were there any aspects that felt particularly intuitive or challenging?

Neutral to use

Can you describe your overall experience using the AR drawing system? What were the highlights and lowlights?

Just so so

What improvements would you suggest for enhancing the drawing experience in this AR system?

Hand Tracking

Based on your experience, how likely are you to use this type of technology in your regular work? What changes would make it

No

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME: Xuehui Lan

GENDER: Male Female Prefer Not to Answer

AGE: 28 Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?) No

QUESTIONS:

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RATING SCALE:

Very dissatisfied Dissatisfied Neutral Satisfied Very satisfied



QUESTIONS:

Which functions or tools within the system did you find most useful or lacking? How did these impact your drawing process?

How did you find the usability of the AR system for drawing tasks? Were there any aspects that felt particularly intuitive or challenging?

Can you describe your overall experience using the AR drawing system? What were the highlights and lowlights?

What improvements would you suggest for enhancing the drawing experience in this AR system?

ANSWERS

Want a eraser that can erase part of stroke

Hand may not be the best controller

Good! But require good network to connect

Package into device

I'm programmer so probably

Based on your experience, how likely are you to use this type of technology in your

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME: Ivy

GENDER: Male Female _____

Prefer Not to Answer

AGE: _____ Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?) Hololens, Quest, HTC
 No

QUESTIONS:

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Very dissatisfied Dissatisfied Neutral Satisfied Very satisfied



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QUESTIONS:

Which functions or tools within the system did you find most useful or lacking? How did these impact your drawing process?

ANSWERS

Really liked how the lines landed on the scans and free form was great to use but I'm not sure how well it will conform to finer details.

How did you find the usability of the AR system for drawing tasks? Were there any aspects that felt particularly intuitive or challenging?

It was challenging to select points to join together when points were really close together. However, the function worked as intended.

Can you describe your overall experience using the AR drawing system? What were the highlights and lowlights?

Great to see this on a true 3D model

What improvements would you suggest for enhancing the drawing experience in this AR system?

More features to add/delete in parts of line.

Based on your experience, how likely are you to use this type of technology in your regular work? What changes would make it more appealing or useful for you?

Very likely, more features to add additional lines. Polygons?

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME: Sophie

GENDER: Male Female _____ Prefer Not to Answer

AGE: 29 Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?) _____
 No

QUESTIONS:

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Very dissatisfied Dissatisfied Neutral Satisfied Very satisfied



QUESTIONS:

Which functions or tools within the system did you find most useful or lacking? How did these impact your drawing process?

How did you find the usability of the AR system for drawing tasks? Were there any aspects that felt particularly intuitive or challenging?

Can you describe your overall experience using the AR drawing system? What were the highlights and lowlights?

What improvements would you suggest for enhancing the drawing experience in this AR system?

Based on your experience, how likely are you to use this type of technology in your regular work? What changes would make it more appealing or useful for you?

ANSWERS

drawing and vectorizing parts.
The vectorizing feature helps me draw more accurately.

The AR system makes me very immersive and ~~intuitive~~ intuitive.

The overall experience is very smooth and easy to use, highlight the vectorization part, response quickly and accurately.

The main UI button is too big, sometimes it is out of my sight.

I would recommend to use it. It will be better to optimize UI, make all buttons stay in my sight when I am using it.

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME:

GENDER: Male Female _____ Prefer Not to Answer

AGE: 56 Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?) All

No

QUESTIONS:

How would you rate the **responsiveness** of the AR system during the drawing tasks? Did the system react quickly to your inputs?

RATING SCALE:

Very dissatisfied Dissatisfied Neutral Satisfied Very satisfied



After vectorizing the lines, how satisfied were you with the ability to edit the vectorized curves? Did the **editing features** meet your expectations for flexibility and precision?



After vectorizing the lines, how would you assess the clarity and detail retention? Were the **details preserved** to your satisfaction?



QUESTIONS:

Which functions or tools within the system did you find most useful or lacking? How did these impact your drawing process?

ANSWERS

USEFUL: SMOOTH & RELIABLE
LACKING: ADD POINTS INLINE

How did you find the usability of the AR system for drawing tasks? Were there any aspects that felt particularly intuitive or challenging?

MORE FEEDBACK ON
BUTTONS (BRUSH SIZE, DRAWING
MODE, ETC.)

Can you describe your overall experience using the AR drawing system? What were the highlights and lowlights?

REALLY IMPRESSIVE MATCHING
LINE TO 3D SHAPE

What improvements would you suggest for enhancing the drawing experience in this AR system?

MORE COLOURS, IMPROVED UI
FEEDBACK, EDIT & MOVE POINTS

Based on your experience, how likely are you to use this type of technology in your regular work? What changes would make it more appealing or useful for you?

VERY LIKELY. NEEDS
TO BE INCORPORATED
INTO CHERO SOFTWARE

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME:

GENDER: Male Female _____

Prefer Not to Answer

AGE: 53

Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?)

No

HoloLens, Quest,
Vision Pro

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How would you rate the **responsiveness** of the AR system during the drawing tasks? Did the system react quickly to your inputs?

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After vectorizing the lines, how satisfied were you with the ability to edit the vectorized curves? Did the **editing features** meet your expectations for flexibility and precision?



After vectorizing the lines, how would you assess the clarity and detail retention? Were the **details preserved** to your satisfaction?



QUESTIONS:

Which functions or tools within the system did you find most useful or lacking? How did these impact your drawing process?

ANSWERS

great tracking to surface. Would be good to have multiple lines

How did you find the usability of the AR system for drawing tasks? Were there any aspects that felt particularly intuitive or challenging?

hard to use right hand
(I am left handed)

Can you describe your overall experience using the AR drawing system? What were the highlights and lowlights?

Fast, but got hung up when I had too many points

What improvements would you suggest for enhancing the drawing experience in this AR system?

smaller rock, thinner minimum line width

Based on your experience, how likely are you to use this type of technology in your regular work? What changes would make it more appealing or useful for you?

Feels like a step forward 3D design. Not ready yet.

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME: Baozhang Min

GENDER: Male Female _____

Prefer Not to Answer

AGE: 18

Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?) vision pro

No

QUESTIONS:

How would you rate the **responsiveness** of the AR system during the drawing tasks? Did the system react quickly to your inputs?

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After vectorizing the lines, how satisfied were you with the ability to edit the vectorized curves? Did the **editing features** meet your expectations for flexibility and precision?



After vectorizing the lines, how would you assess the clarity and detail retention? Were the **details preserved** to your satisfaction?



QUESTIONS:

ANSWERS

Which functions or tools within the system did you find most useful or lacking? How did these impact your drawing process?

Brush Size

Brush Color

How did you find the usability of the AR system for drawing tasks? Were there any aspects that felt particularly intuitive or challenging?

Drawing is intuitive

Can you describe your overall experience using the AR drawing system? What were the highlights and lowlights?

Intuitive

What improvements would you suggest for enhancing the drawing experience in this AR system?

UI

Based on your experience, how likely are you to use this type of technology in your regular work? What changes would make it more appealing or useful for you?

If drawing can be done on real world objects.

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME: Pengchery Dity George Brink

GENDER: Male Female Prefer Not to Answer

AGE: 26 Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?) HoloLens 2/Decst

No

Vision Pro

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After vectorizing the lines, how would you assess the clarity and detail retention? Were the **details preserved** to your satisfaction?



QUESTIONS:

ANSWERS

Which functions or tools within the system did you find most useful or lacking? How did these impact your drawing process?

Clean All

How did you find the usability of the AR system for drawing tasks? Were there any aspects that felt particularly intuitive or challenging?

Smooth!

Can you describe your overall experience using the AR drawing system? What were the highlights and lowlights?

Smooth!

What improvements would you suggest for enhancing the drawing experience in this AR system?

UI!

Based on your experience, how likely are you to use this type of technology in your regular work? What changes would make it more appealing or useful for you?

Yes!

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME: Chayyanan Lin

GENDER: Male Female Prefer Not to Answer

AGE: 33 Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?) Quest 2

No

QUESTIONS:

How would you rate the **responsiveness** of the AR system during the drawing tasks? Did the system react quickly to your inputs?

After vectorizing the lines, how satisfied were you with the ability to edit the vectorized curves? Did the **editing features** meet your expectations for flexibility and precision?

After vectorizing the lines, how would you assess the clarity and detail retention? Were the **details preserved** to your satisfaction?

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Very dissatisfied Dissatisfied Neutral Satisfied Very satisfied



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How did you find the usability of the AR system for drawing tasks? Were there any aspects that felt particularly intuitive or challenging?

Can you describe your overall experience using the AR drawing system? What were the highlights and lowlights?

What improvements would you suggest for enhancing the drawing experience in this AR system?

Based on your experience, how likely are you to use this type of technology in your regular work? What changes would make it more appealing or useful for you?

ANSWERS

The ability to edit the vectorized curves is most useful. I can change the initial shape.

The challenging part is that I can not erase a part of the curve.

Very amazing.
Highlights: the menu to change modes

Add eraser function.

Very likely if I need to draw on a 3D object.

QUESTIONNAIRE

PERSONAL INFORMATION:

NAME: Yedtan

GENDER: Male Female Prefer Not to Answer

AGE: 30 Prefer Not to Answer

HAVE EXPERIENCE WITH AR HEADSET: Yes (which one?) hololens 2, Apple Vision Pro
 No

QUESTIONS:

How would you rate the **responsiveness** of the AR system during the drawing tasks? Did the system react quickly to your inputs?

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After vectorizing the lines, how would you assess the clarity and detail retention? Were the **details preserved** to your satisfaction?

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ANSWERS

Most useful: Taptine draw
lacking = eraser

intuitive = responsiveness
challenging : edit the points

good!
highlights : vectorization

more functions for editing,
. like eraser or undo,