



Is this your card?
The Magic of Computer Vision



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Which part is more magical?



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Where is the card in the camera?



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What card am I looking at?



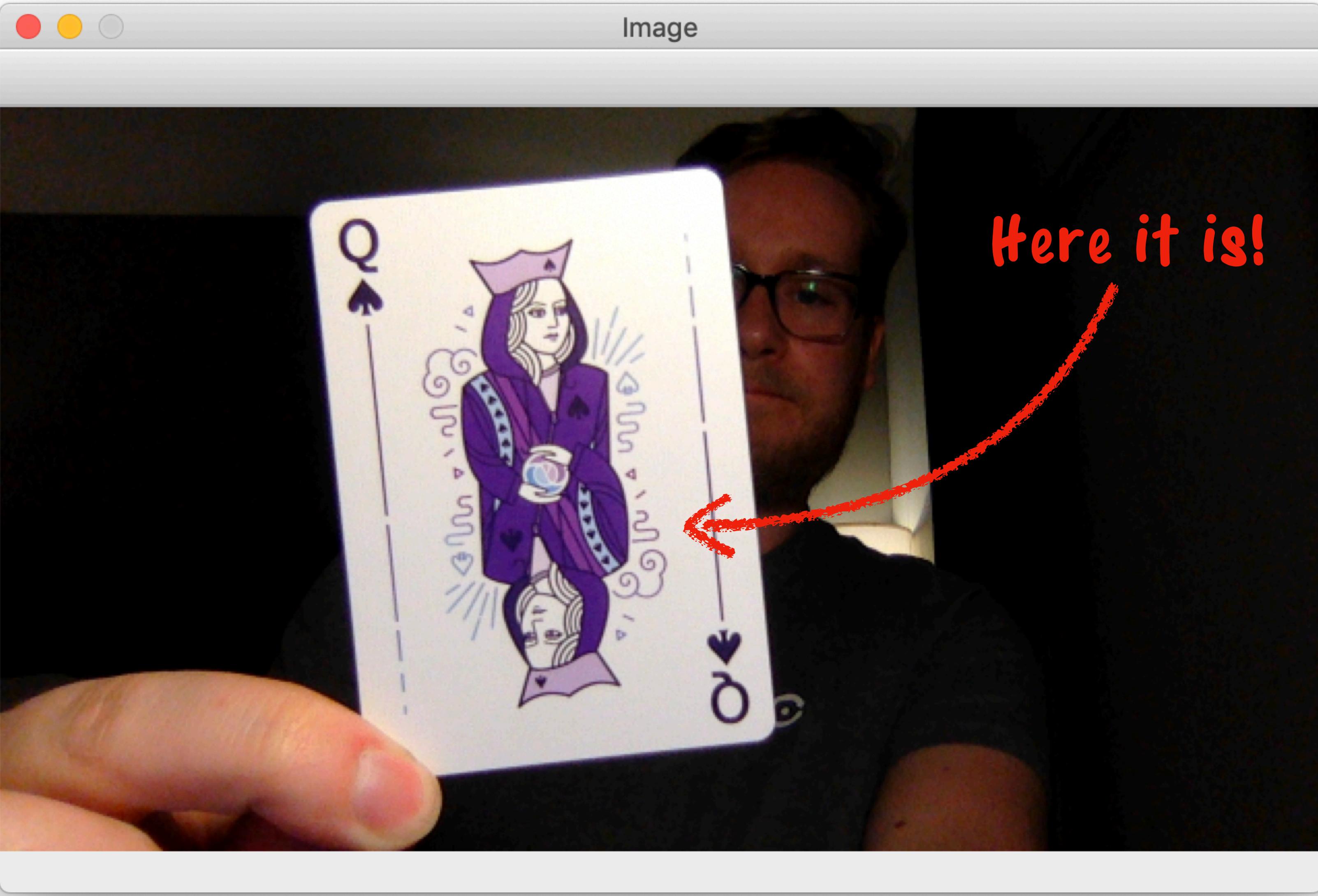
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Computer Vision aims to train
computers to understand the visual
world.



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(x=365, y=93) ~ R:245 G:239 B:227



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```
gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
```



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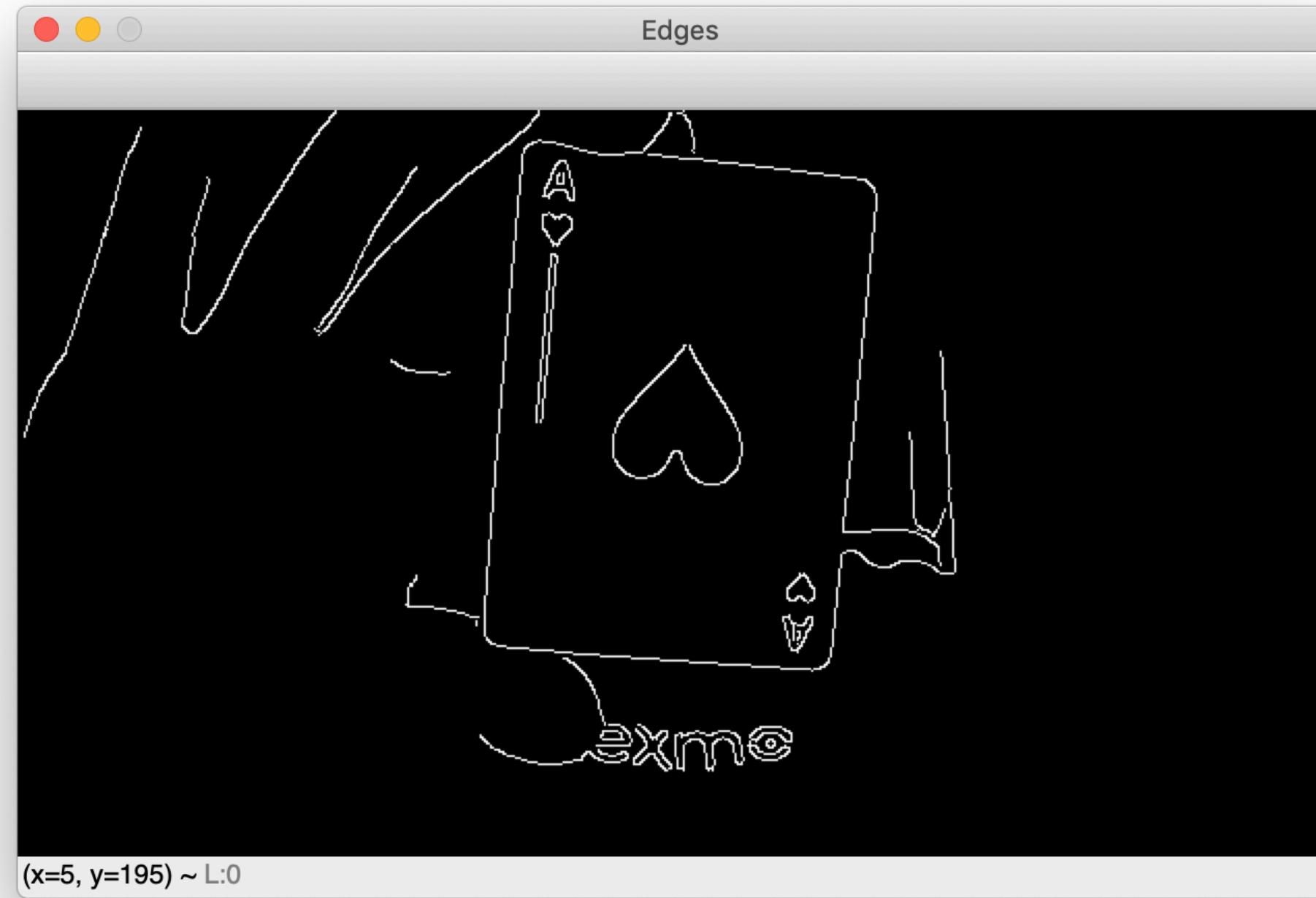


```
blur = cv2.GaussianBlur(gray, (5, 5), 0)
```



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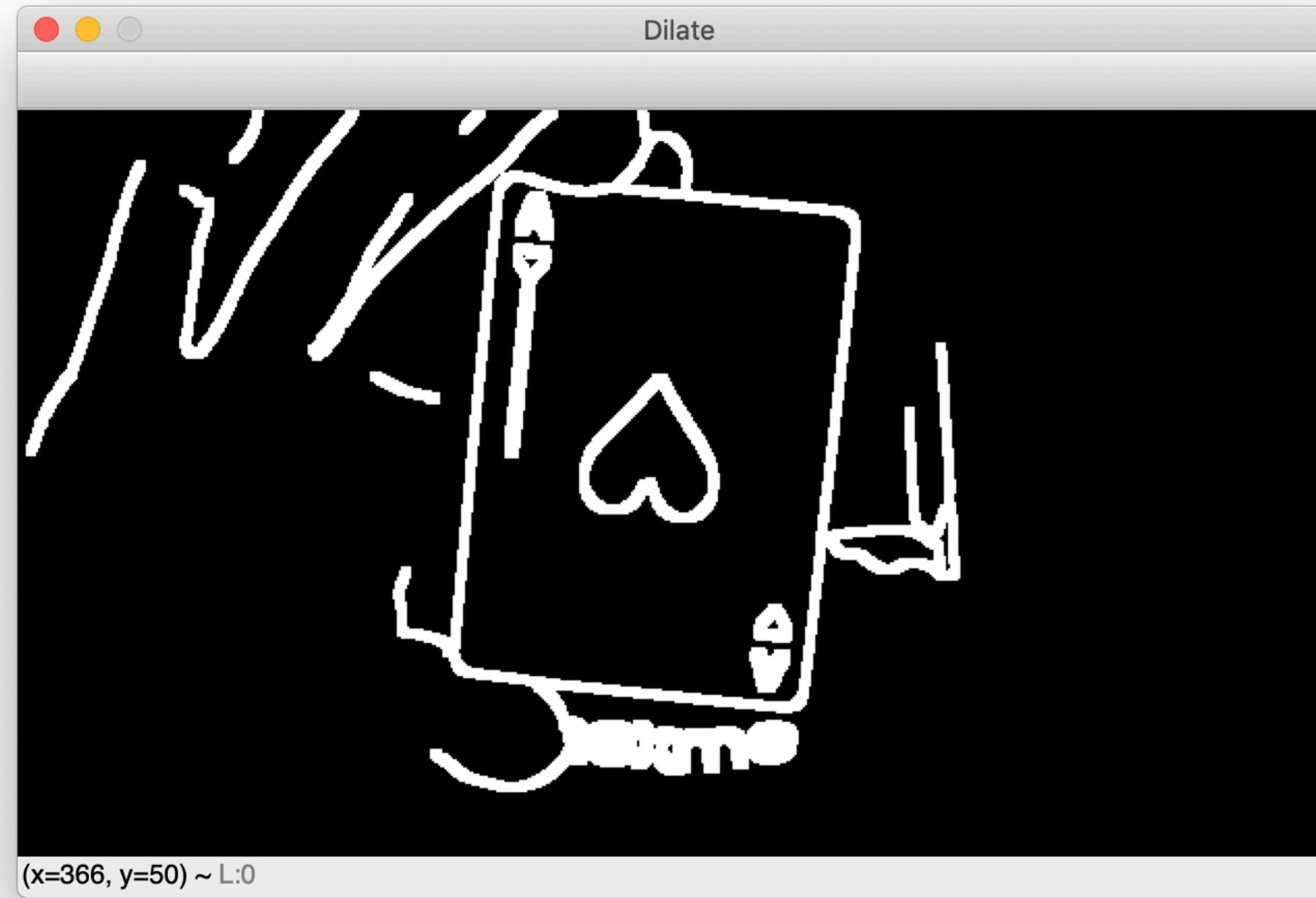


```
edges = cv2.Canny(blur, MIN_THRESHOLD, MAX_THRESHOLD)
```



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```
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kernel = np.ones((5, 5), np.uint8)
dilate = cv2.dilate(edges, kernel, iterations=1)
```



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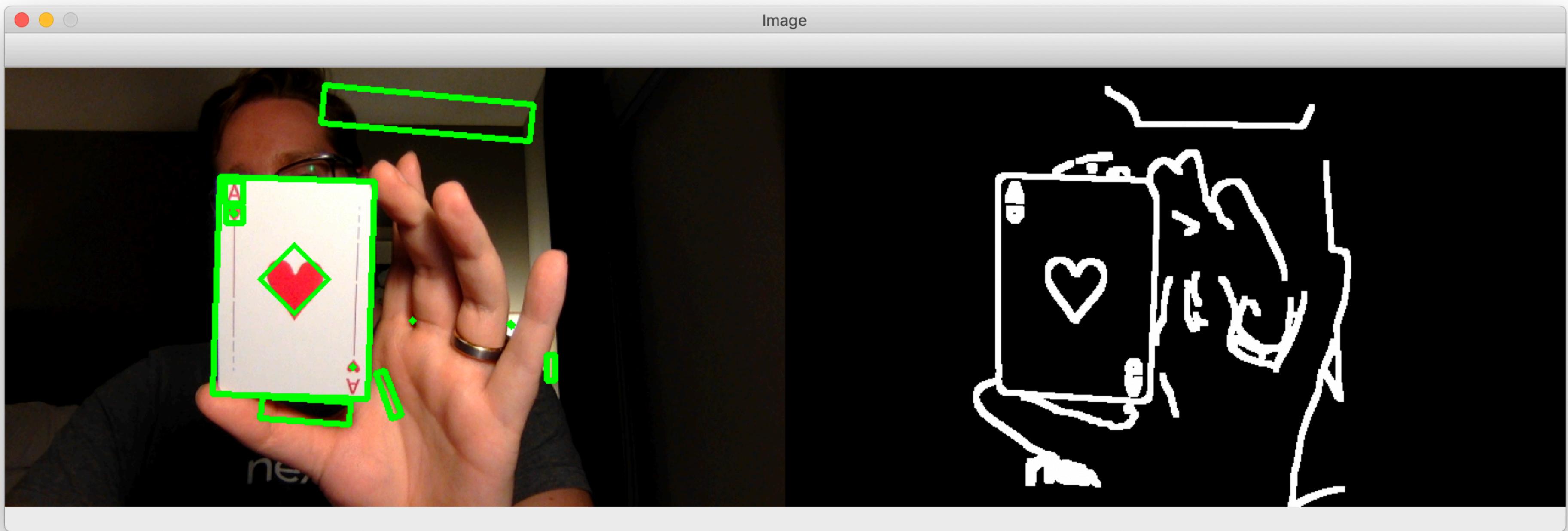
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Playings cards are rectangles.



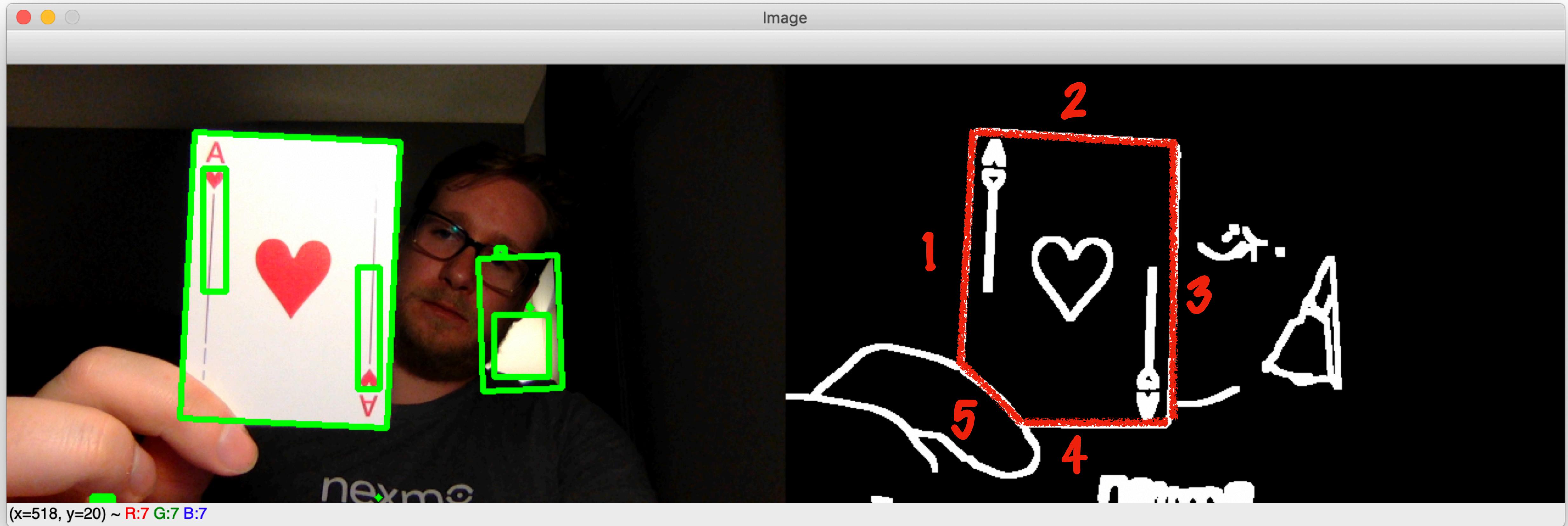
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Remember that this is only half
the process.



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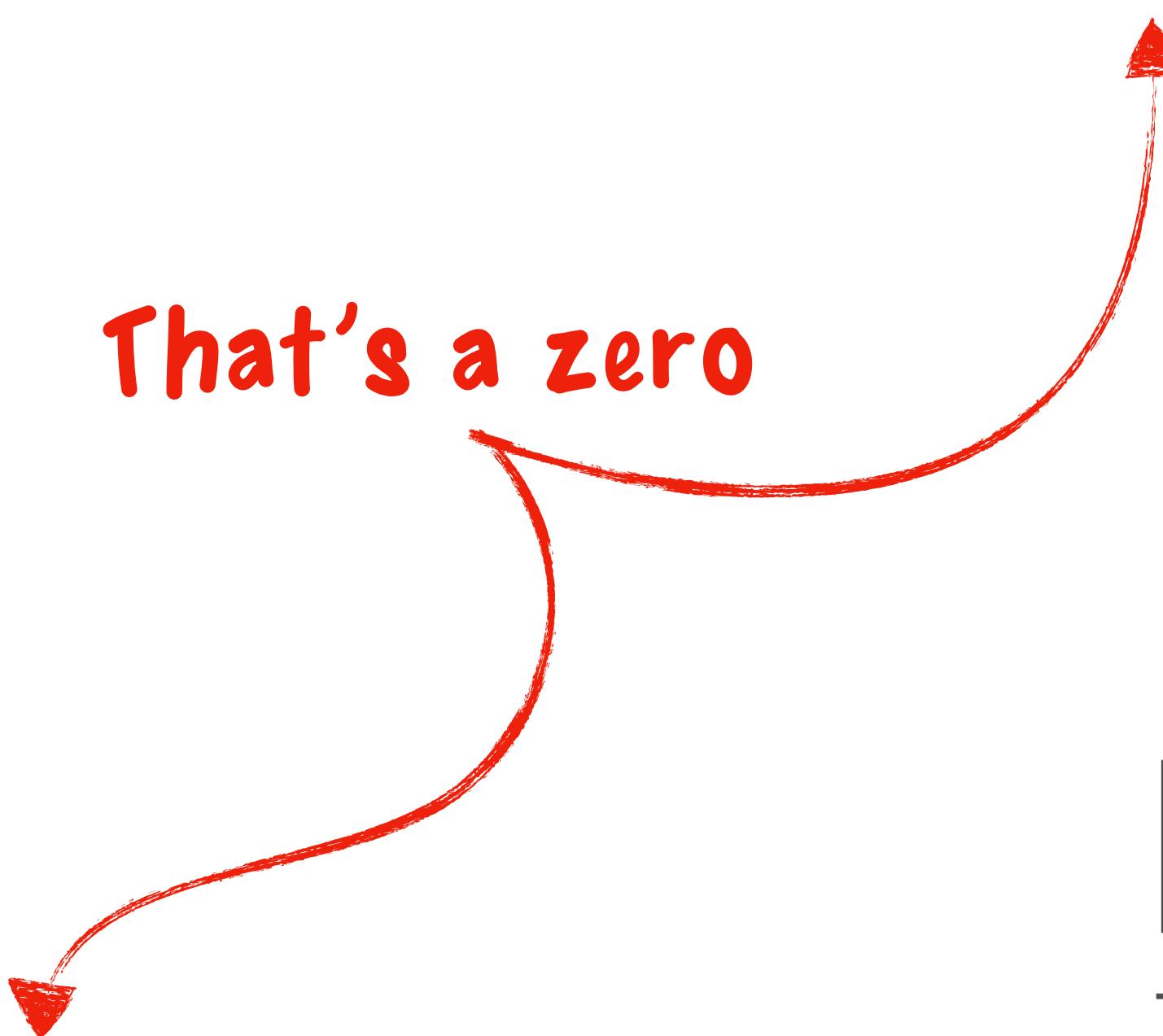
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I'm Steve!

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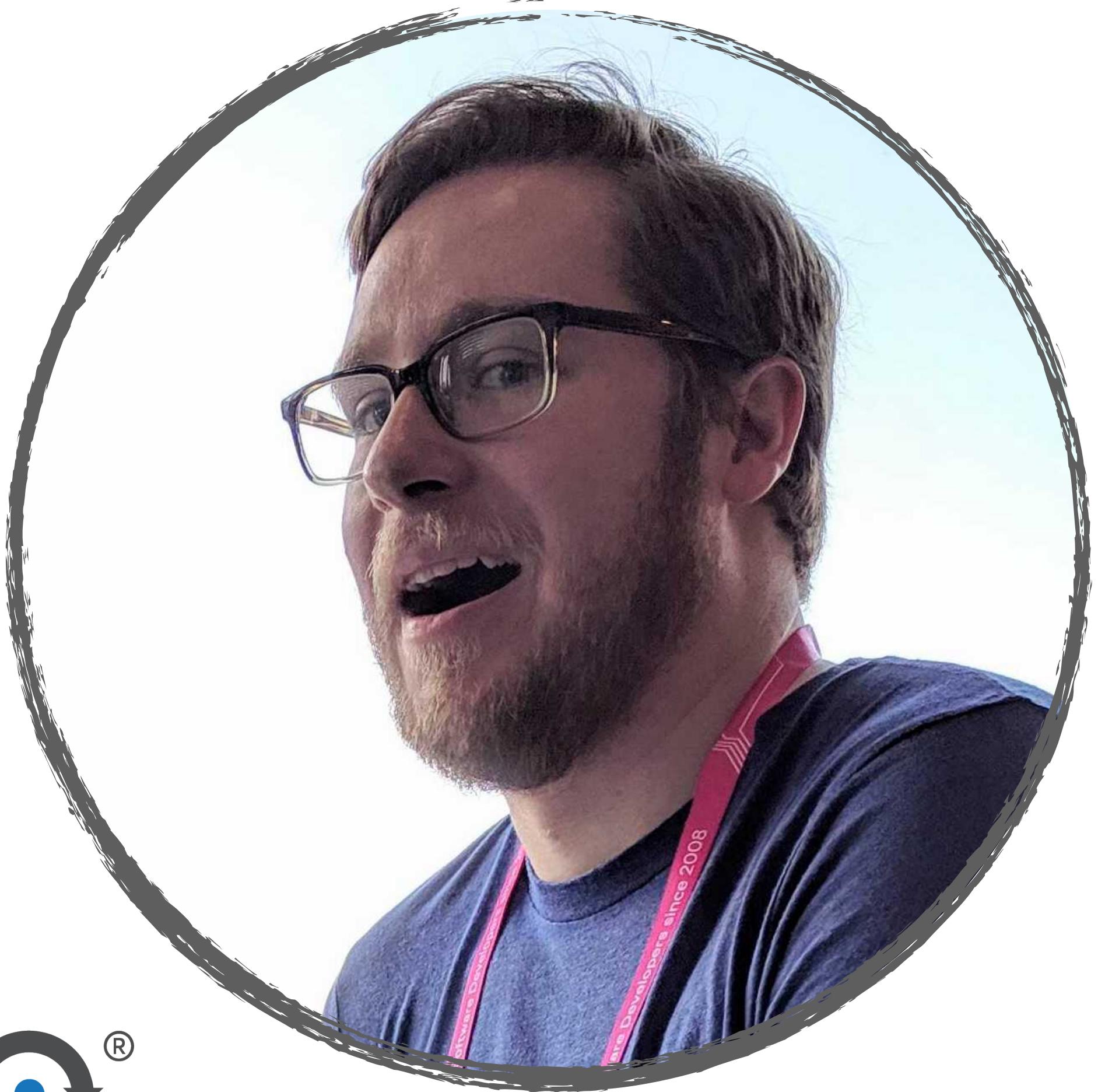
That's a zero



nexmo®
The Vonage® API Platform



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That was quick, try it yourself:

<https://github.com/cr0wst/is-this-your-card>



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