Messing around with OpenCV to create a

License Plate Reader

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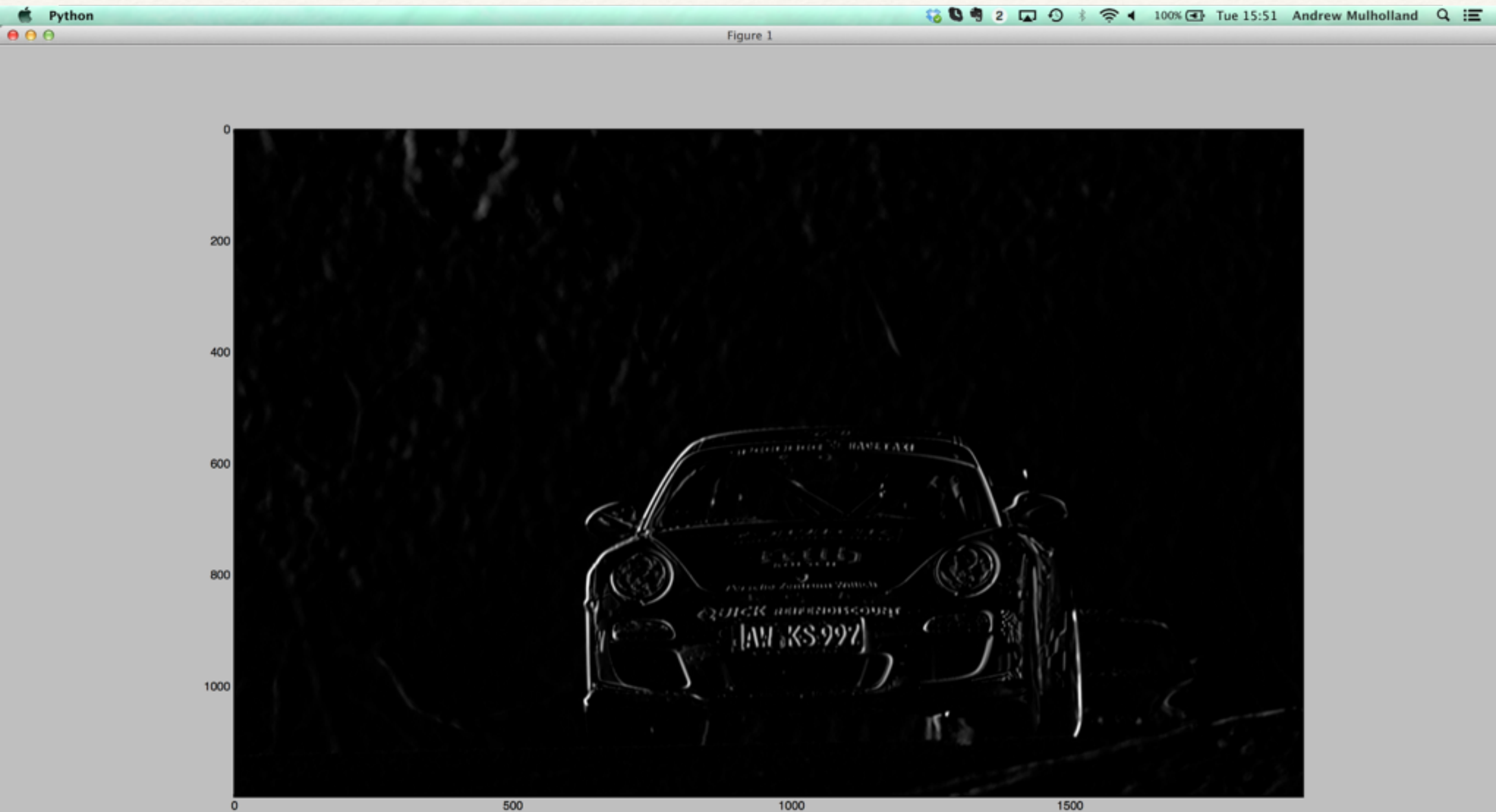
DEMO

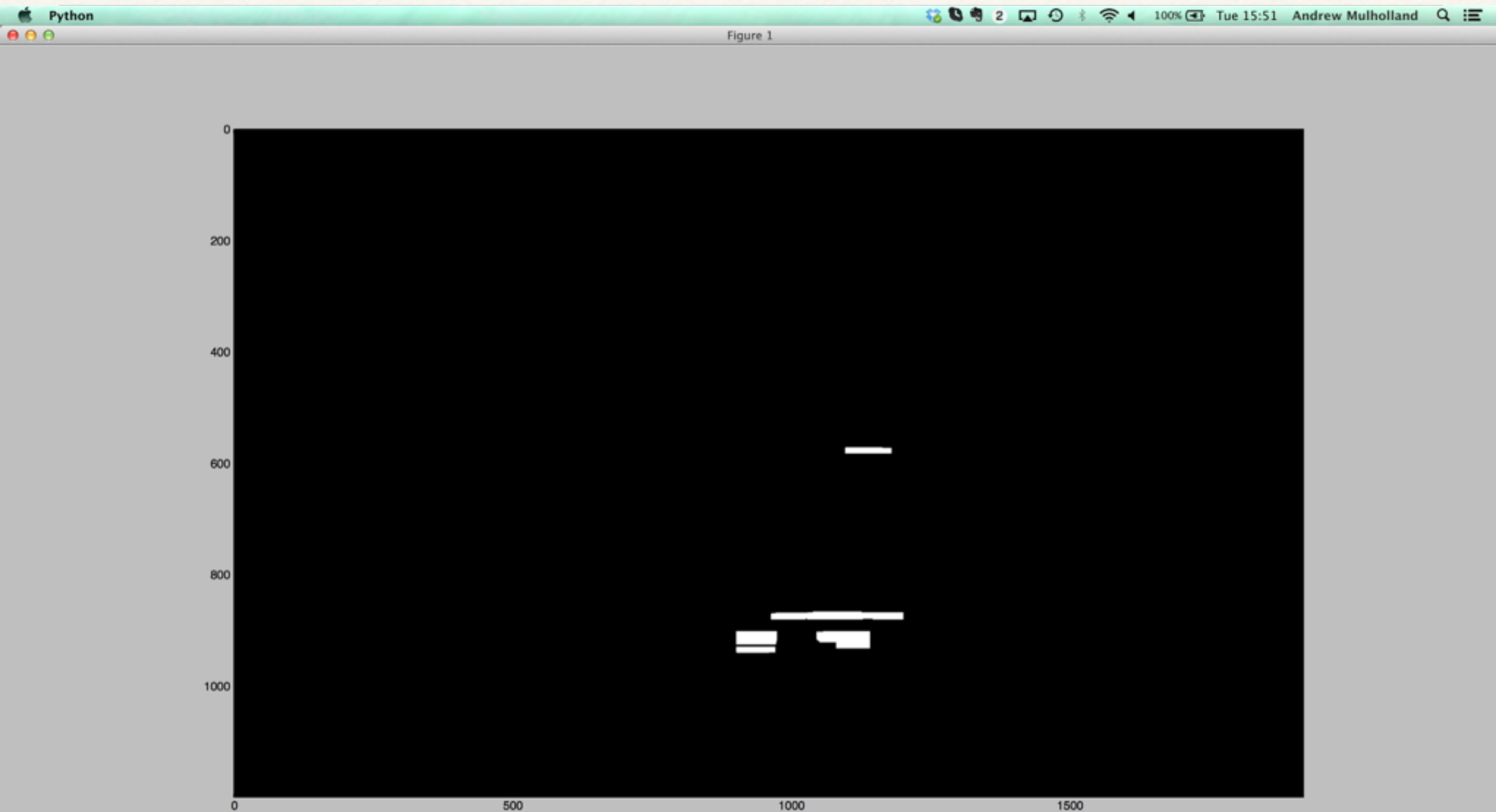*(result so far)*

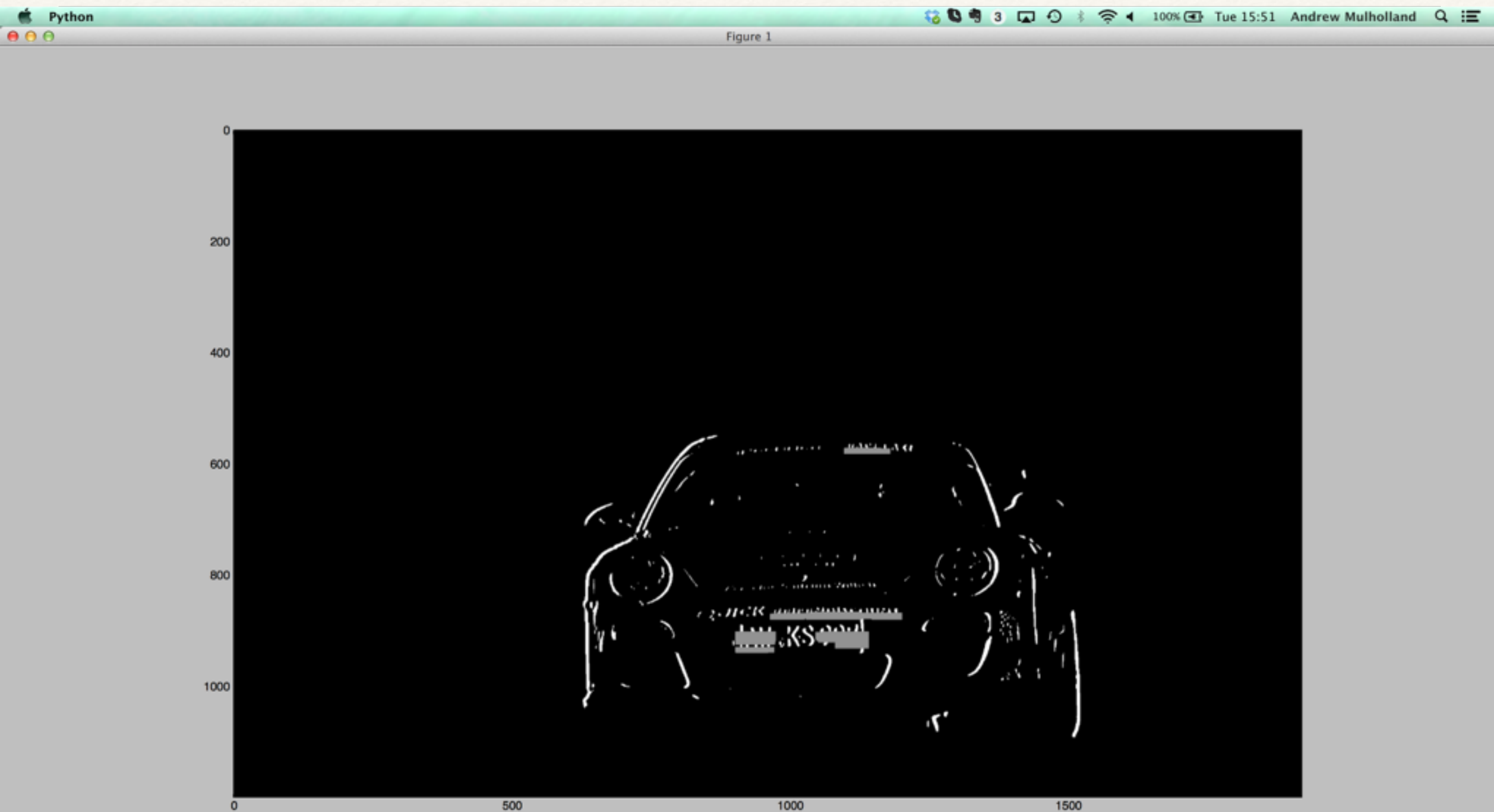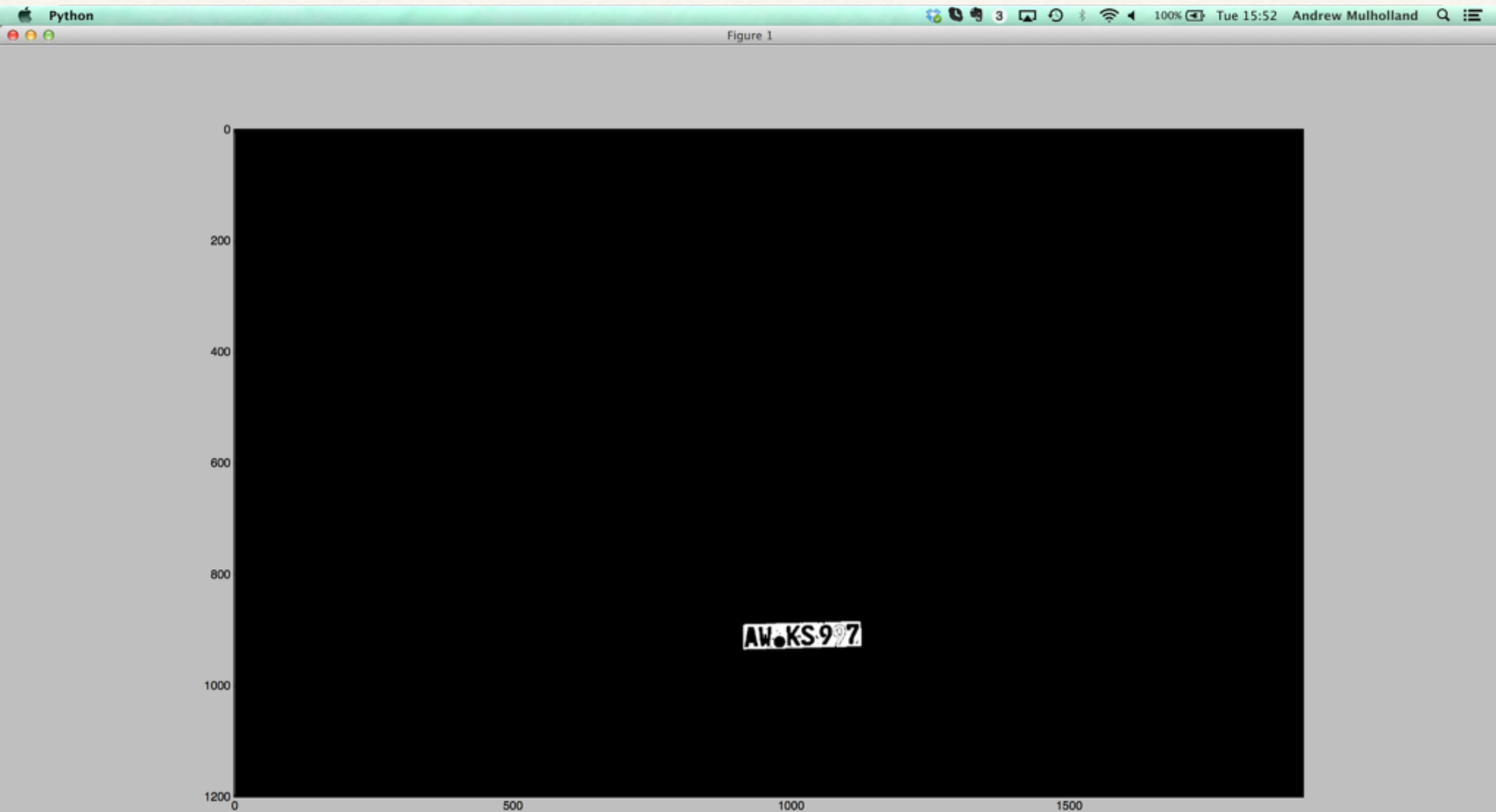# Initial Image

Sobel Filter
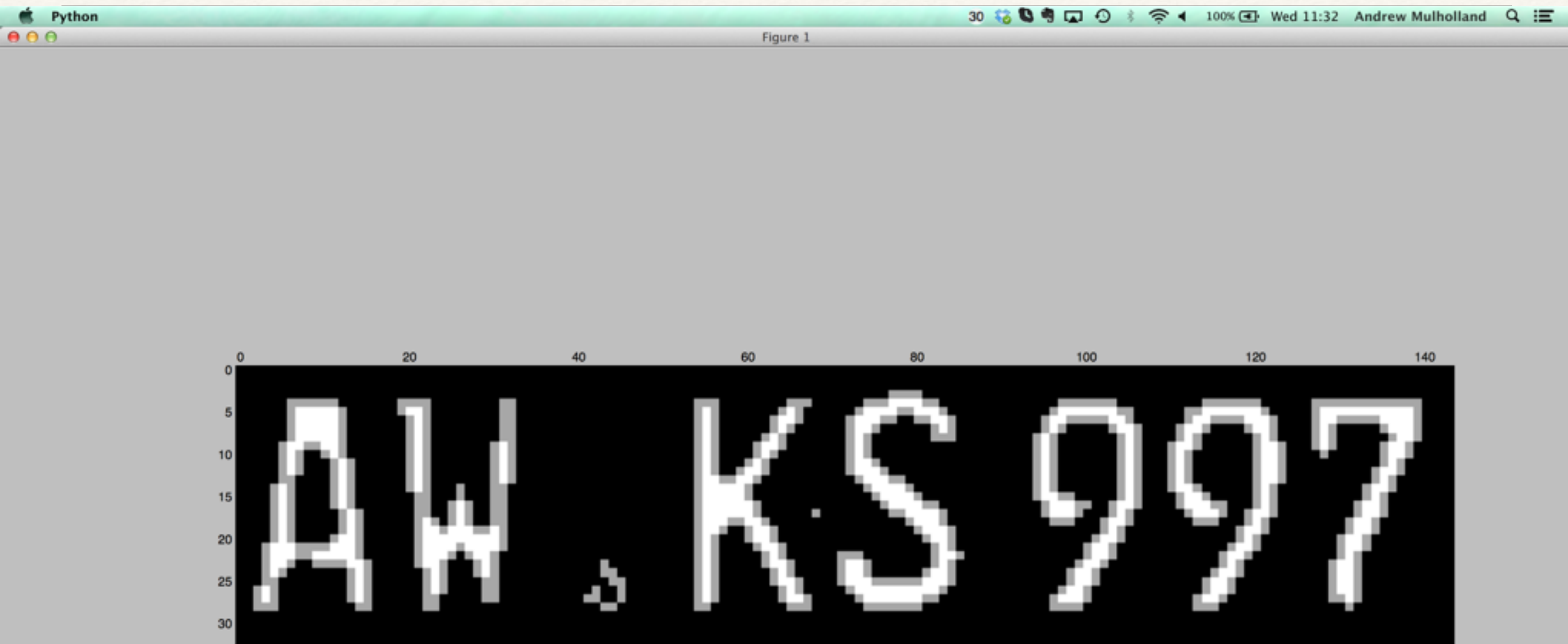
Morph - fill in the gaps
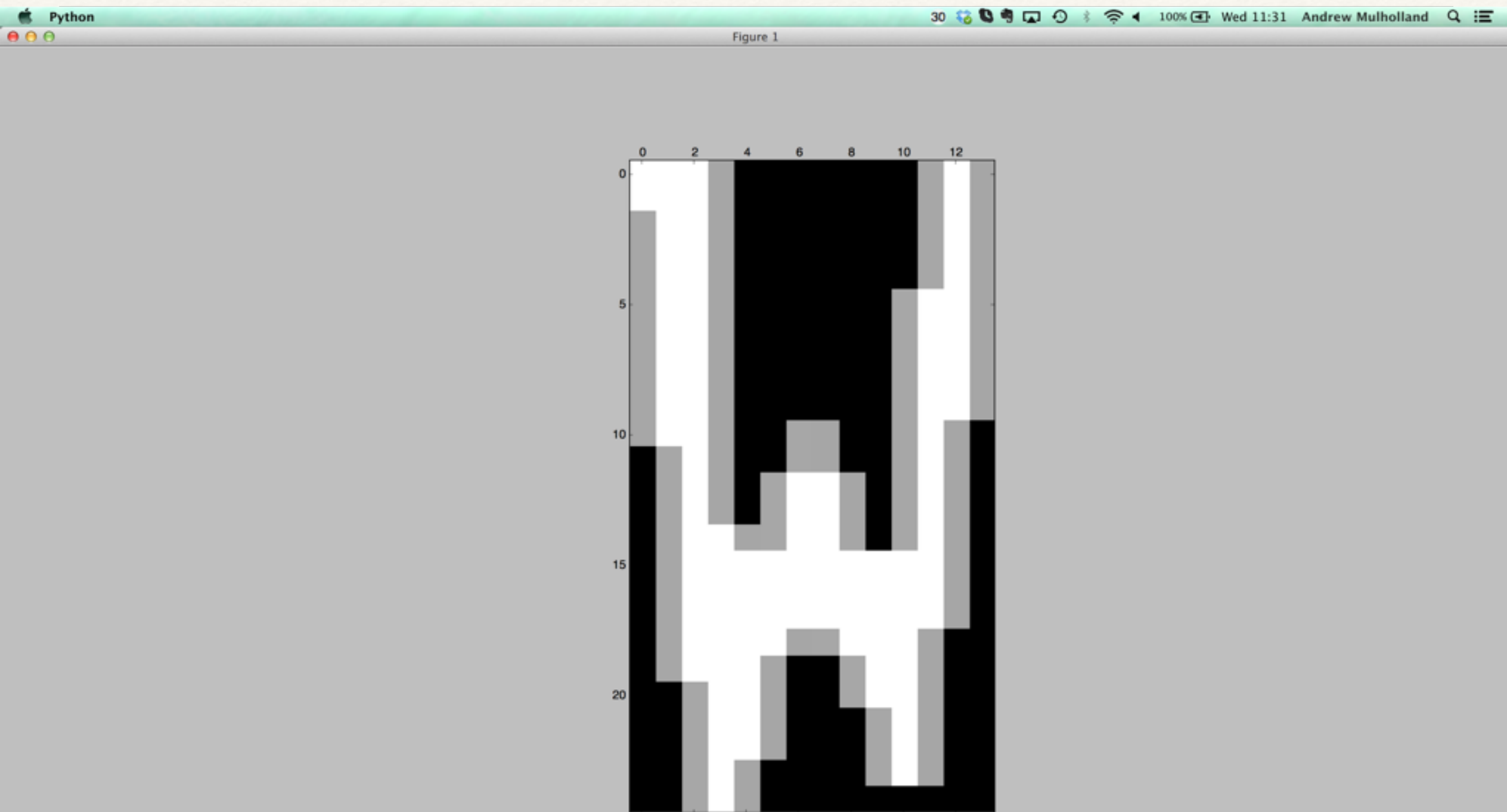
Overlay mask

Flood Fill

Extract the plate

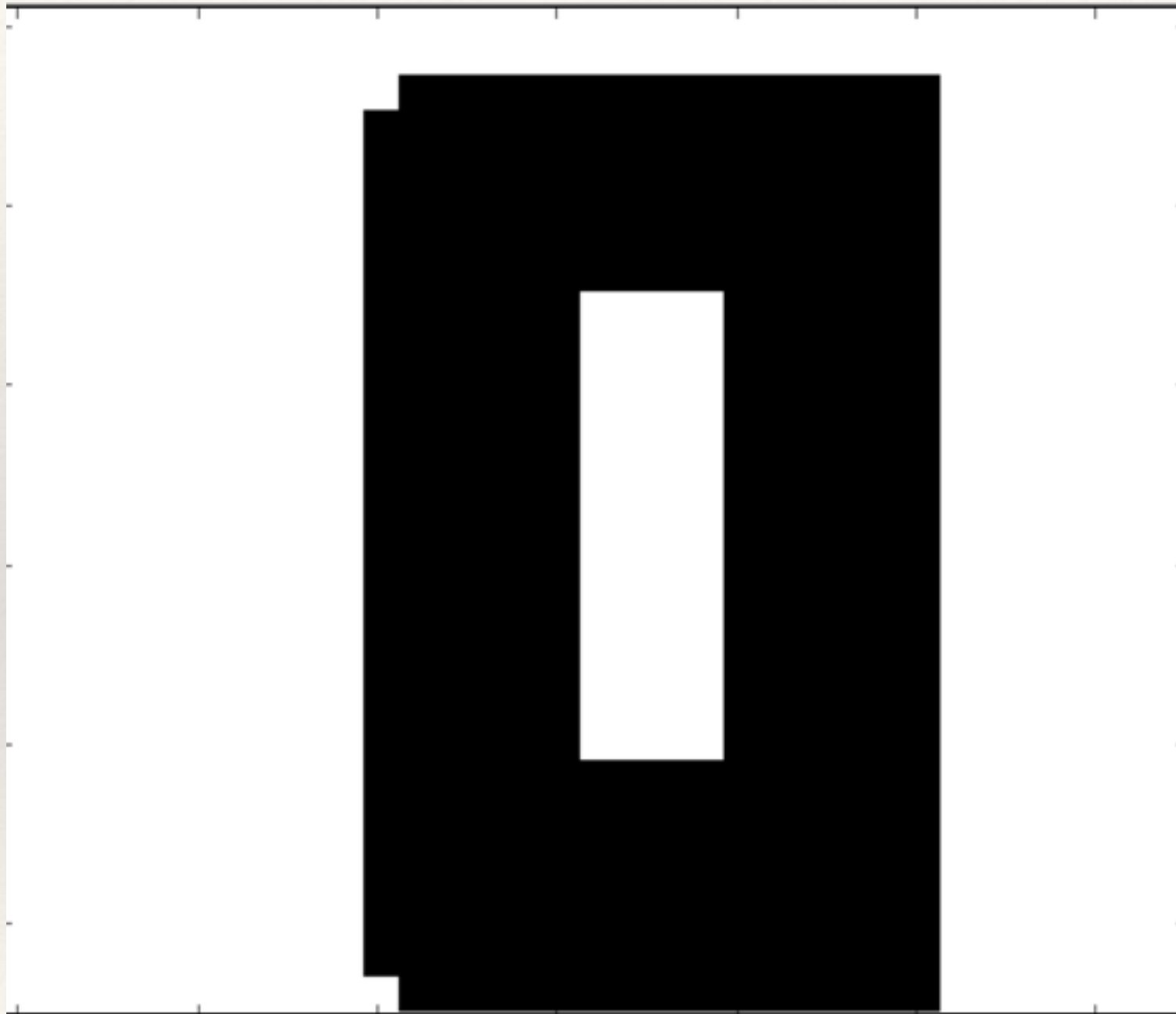# Image processing on the plate

Which Letter is this?

What is the 3rd Char from right?

This is how we send to Tesseract

Results

- ❖ Speed: under 5 seconds per image without optimisation

    - ❖ Possible to take this down to 0.5 seconds with reduced accuracy, and by tuning parameters.

- ❖ Accuracy: Letter by letter over 60% - lots of ideas for improvement.

Further improvements

❖ Training set, would boost accuracy

❖ Tesseract interaction is perf bottleneck

❖ Looking for other text on cars (Sponsor logos, race numbers)

Thank you