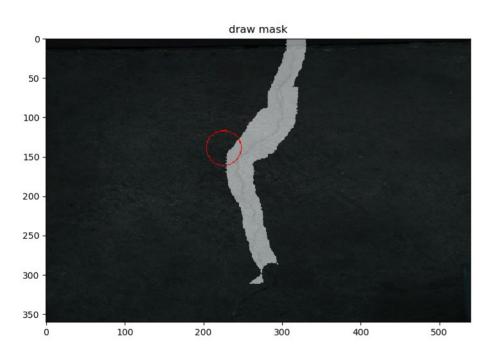
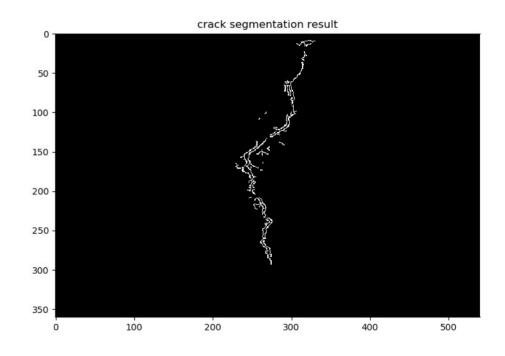
crack segmentation tool



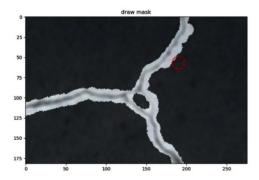


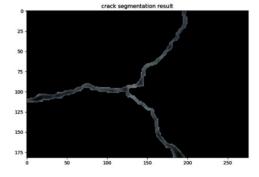
feature

- paint brush
 - paint on crack area
 - clean the painted mask area
 - adjust paint radius
- Segmentation
 - opency Grabcut
 - Canny edge

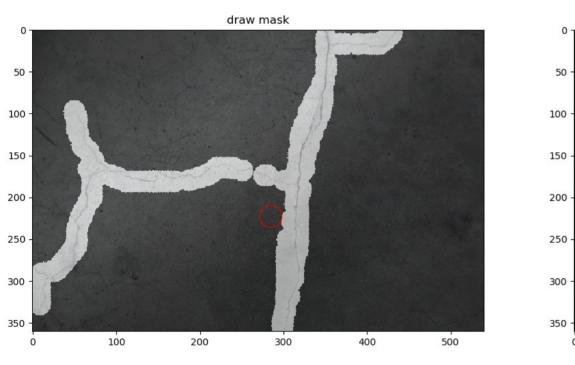
grab-cut

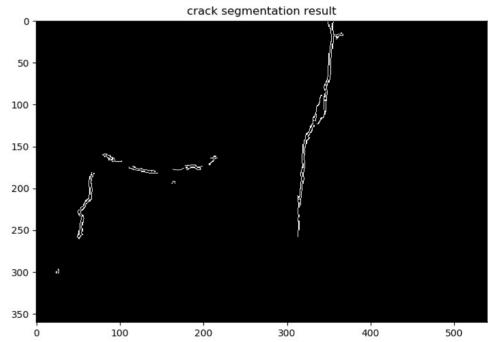
- Just works when the surrounding area is different from crack area
- Fail when crack is small and looks similar to the background (pavement)





Canny edge





Canny edge

- Threshold calculation
 - Median of all gray pixels in the painted area
 - Lower: median 0.3
 - Upper: median + 0.3
- Problems
 - Lot of noise
 - Missing crack lines

Next step

- segmentation
 - Cut the painted area into smaller segments?
 - Calculate canny edge threshold per segment
 - Tried different adaptive threshold method?
 - Other idea?