

# Computational Photography

## Assignment #1: Just a Photograph

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# Nyla!!

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- Location
  - *Atlanta, GA, USA*
- Date and Time Image Taken
  - *2017:08:27 09:10:49*
- Context (ie. what is it?):
  - *An image of my dog, Nyla, during a daytime trip to an abandoned prison. We took about 2 hours to find it on foot, and spent the day taking photos and investigating the place.*

# Camera Settings

- What is your device?
  - *Sony ILCE-7M2 (a7ii)*
  - *FE 50mm F1.8*
- Image Settings:

Exposure Time (seconds)	1/250
Aperture (f-stop, i.e. f4.0)	f/6.3
ISO value	100

# What was your Goal?

- What were you trying to capture?
  - *Shooting for a keepsake image of my dog at this memorable location, I aimed to capture her smiling off-leash, in good light, in front of a colorful background with a fairly shallow depth of field deep enough to maintain the original background.*
- Did you succeed? Explain.
  - Yes. She is nearly fully in focus, and while the background is partially blurred, its details and vibrance are visible.

# Discuss the shot

- How did you plan the shot?
  - *I sat her down, stepped back, point, and shot my camera while fiddling with settings in manual. Once I saw this bit of graffiti, I knew good photos were to be had.*
- How many pictures of the same general scene did you take? Why did you choose to share this one?
  - *Roughly 10. She was smiling, still, in-focus, and well-lit in this one.*

# Discuss the shot - Post-Processing

- Did you do any post-processing (i.e. used some computer or mobile app to edit the picture?) Discuss. If you did not do any post-processing, say so.
  - *I did not do any post-processing on this image. This was taken before I knew how to shoot RAW or use lightroom. That said, I don't think it needs either of those, as the image quality is fairly good without any user-driven post-processing.*

# Discuss the shot - Retake Issues

- What non-computational change(s) would you make if you were to re-take this photo?
  - *Remove my dog's collar (whoops)*
  - *Play more with foreshortening (farther from dog + zoomed in; closer + zoomed out)*
  - *More time fiddling with f-stop and DOF*
  - *Use external flash to play with lighting*

# Computational Photography Process

- What computational photography process could you use to make your photo better or different? Name a CP process and discuss.
  - *I could have taken a panorama perpendicular to and following my dog as she walked alongside the graffiti to make her appear as a strange creature in front of the wall. This would have added a comedic effect and shock value to the photograph at the cost of a good and accurate picture of my dog.*



# Other Details

- *I did have permission from the land owners to visit the property.*
- *The location is at risk of being destroyed.*
- *The location was terrifying and I don't recommend going without being very very prepared.*

# Resources

- My own album of photos from this location: <https://flic.kr/s/aHsm3vjFvb>