

Computational Photography Portfolio

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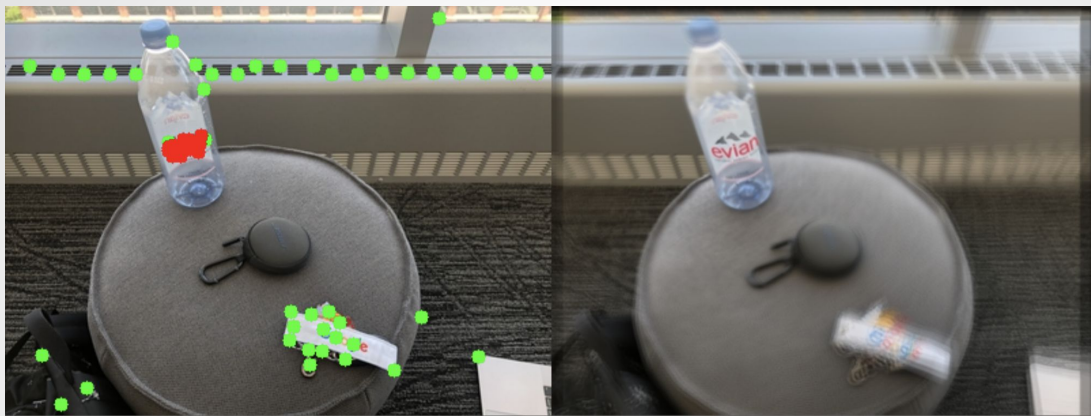
Portfolio

- Panorama has been something about Photography that amazes me since it was built in with iPhone a few years ago. It was so easy to create a Panorama which looked great. I never imagined that I would be able to take several photos and create a panorama by myself using programming. I learnt on how the panorama was formed by a few single photos as long as they have some parts of correspondences. I learnt a lot from it and it was so helpful for our final project.





- Another homework that I think has been very helpful is the HDR. It came with iPhone a few years ago as well. I remember that the phone cameras didn't perform well (in fact very bad) when the light was dark, like the evenings. I used the HDR mode to take a lot of better photos. After this assignment, i think I have learnt much more in-depth knowledge about it.



- My third favorite homework is this Refocusing. I had no idea that the depth of field could be managed through algorithms. I played my DSLR for a while a few years ago and always thought getting different cameras was the only option. This homework taught me how to adjust the depth of field for different objects on the same graph and I could even be able to control how much I want it to be.