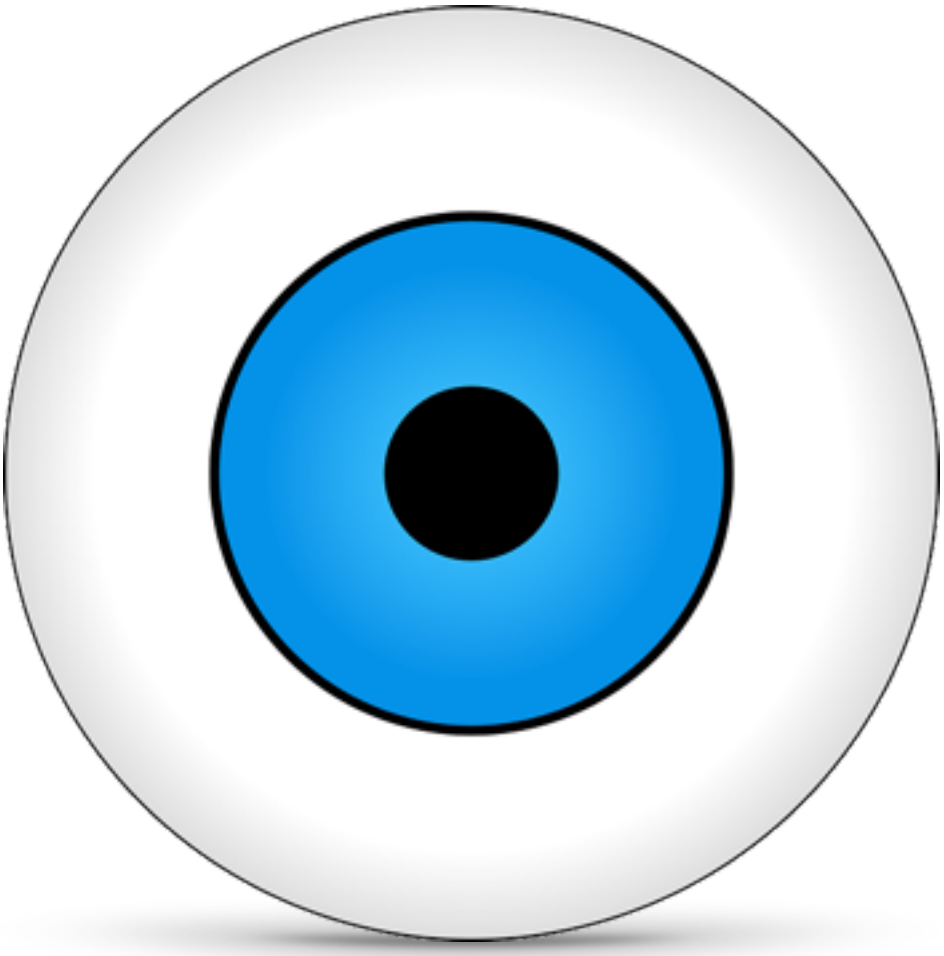
Computer Vision Resources



Satya Mallick, Ph.D.

LearnOpenCV.com

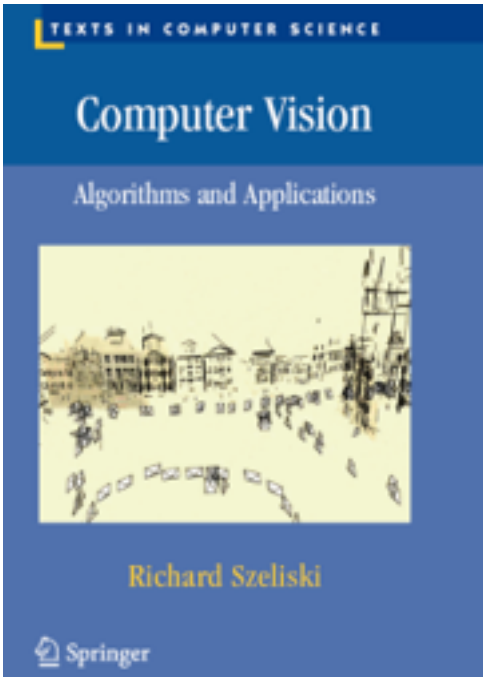
Author's Note

Congratulations! By downloading this resource guide you have embarked on a journey of learning. This guide is not a laundry list of all available computer vision resources. On the contrary, it is a curated list of things I find useful in my work. It is often wise to leave out ingredients from a recipe to improve it, and so I have decided to leave out resources that may overwhelm a beginner. However, if you do have a resource that you find useful, please email me at spmallick@learnopencv.com

Who is this guide for ?

This guide is for programmers, hackers, engineers, scientists, students and self-starters. It is for those creative people who have an itch to learn something new, and build something useful and beautiful. It is for people who take pride in their work, and are craftsmen at heart. It is for men and women who believe in sharpening their tools and improving their craft on a regular basis. It is for those who believe that learning is a continuous process, and that there are smart ways to learn fast. It is for tinkerers who can learn by reading, but prefer to learn by doing. Lastly, it is for people who invest in themselves by learning something new every day and are eager to contribute back to the community to enrich others!

Books



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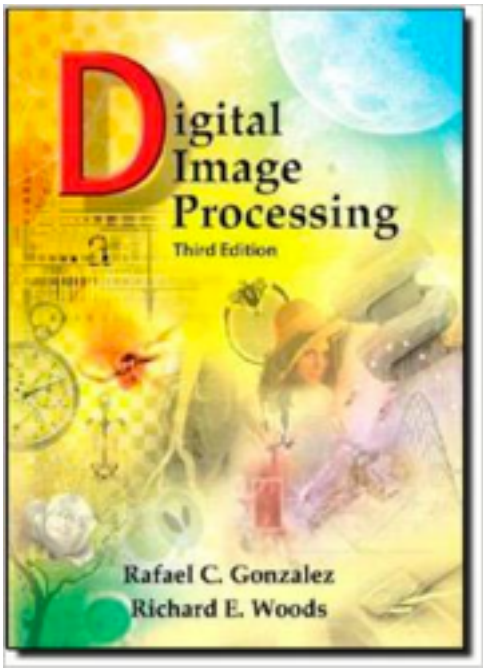

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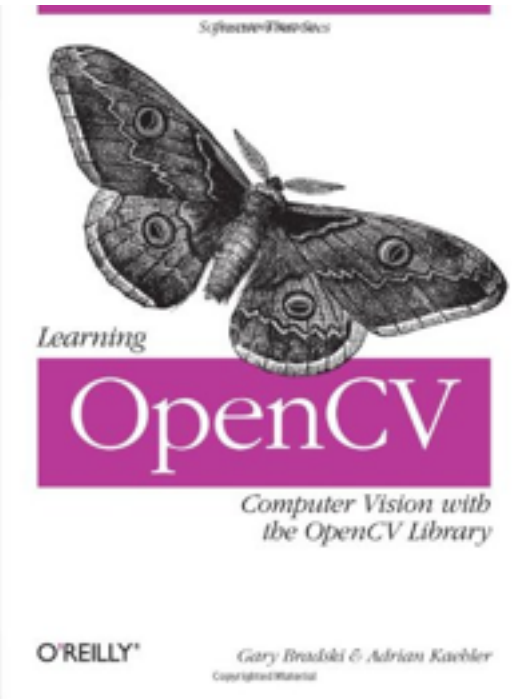

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Python Libraries

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2. **CloudSight** (**http://cloudsightapi.com/**) : What is better than computer vision ? Well, human vision! CloudSight API does visual recognition using a combination of computer vision and human crowd sourcing. You can use their app called CamFind to see how well it works.
3. **Face++** (**http://www.faceplusplus.com/**) : An API for face detection, facial landmark detection, face search, and face recognition.
4. **TinEye** (**https://services.tineye.com/TinEyeAPI**) : Search the entire web for an image using TinEye's reverse image search.
5. **OCRSDK** (**http://ocrsdk.com**) : Upload an image containing text and get back the results as text. They provide sample code and it works well for standard scanned text.
6. **CloudCV** (**http://cloudcv.org**) : CloudCV describes itself as a Large-Scale Distributed Computer Vision as a Cloud Service. It is not a commercial product, but is being developed by Machine Learning and Perception Lab at Virginia Tech. They do image stitching and object detection / classification in the cloud.

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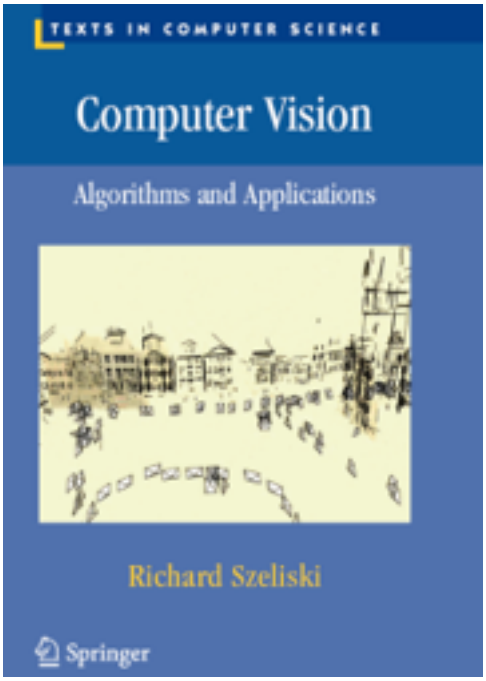

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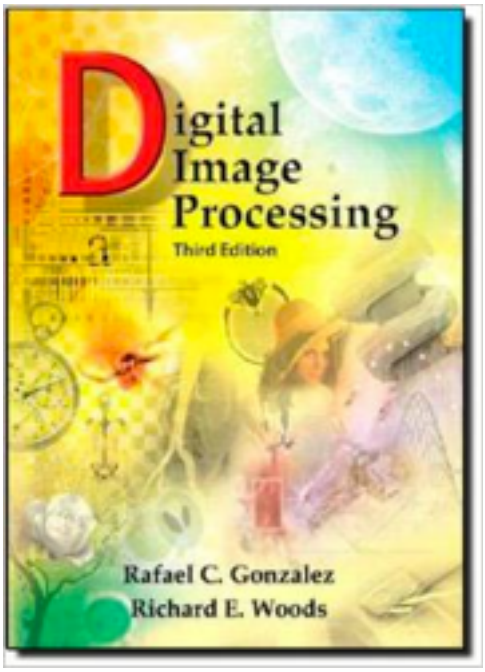

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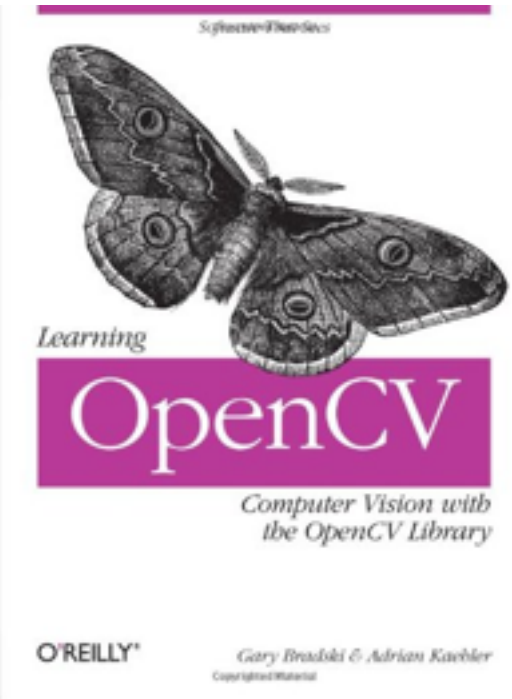

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