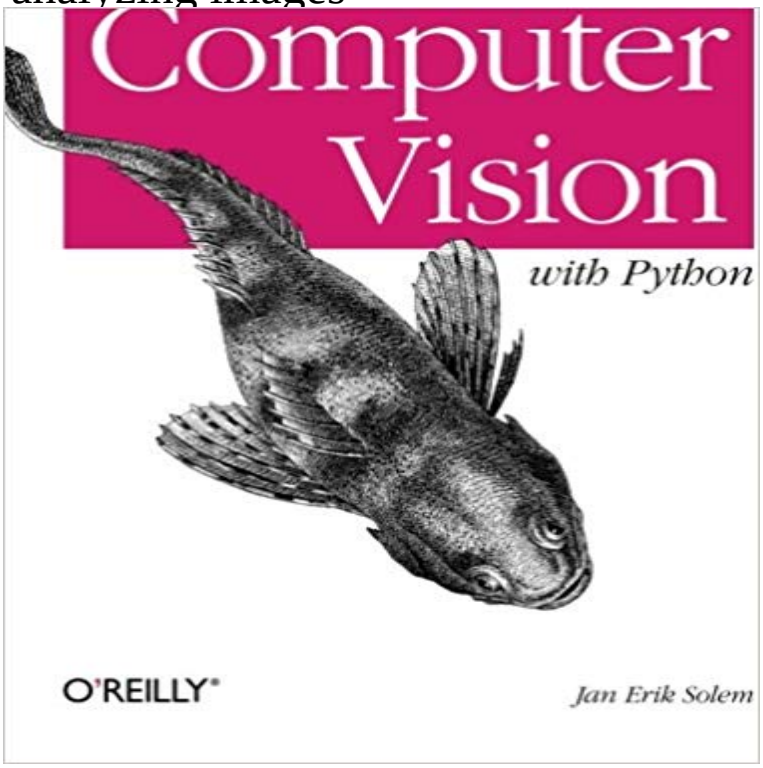
Programming Computer Vision with Python: Tools and algorithms for analyzing images



If you want a basic understanding of computer visions underlying theory and algorithms, this hands-on introduction is the ideal place to start. Youll learn techniques for object recognition, 3D reconstruction, stereo imaging, augmented reality, and other computer vision applications as you follow clear examples written in Python.Programming Computer Vision with Python explains computer vision in broad terms that wont bog you down in theory. You get complete code samples with explanations on how to reproduce and build upon each example, along with exercises to help you apply what youve learned. This book is ideal for students, researchers, and enthusiasts with basic programming and standard mathematical skills.Learn techniques used in robot navigation, medical image analysis, and other computer vision applicationsWork with image mappings and transforms, such as texture warping and panorama creationCompute 3D reconstructions from several images of the same sceneOrganize images based on similarity or content, using clustering methodsBuild efficient image retrieval techniques to search for images based on visual contentUse algorithms to classify image content and recognize objectsAccess the popular OpenCV library through a Python interface

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