
Software That Sees



Learning

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*Computer Vision with
the OpenCV Library*

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Gary Bradski & Adrian Kaehler

Learning OpenCV: Computer Vision with the OpenCV Library

Gary Bradski

"This library Learning OpenCV: Computer Vision with the OpenCV Library turns out to be useful for practitioners, and is a wonderful device for these getting into the field: it's a set of laptop imaginative and prescient algorithms that paintings as advertised." -William T. Freeman, computing device technology and synthetic Learning OpenCV: Computer Vision with the OpenCV Library Intelligence Laboratory, Massachusetts Institute of Technology Learning OpenCV places you in the midst of the swiftly increasing box of desktop vision. Written via the creators of the loose open resource OpenCV library, this publication introduces you to computing device imaginative and prescient and demonstrates how one can speedy construct functions that let desktops to "see" and make judgements according to that data. machine imaginative and prescient is everywhere-in safeguard systems, production inspection systems, clinical photo analysis, Unmanned Aerial Vehicles, and more. It stitches Google maps and Google Earth together, tests the pixels on liquid crystal display screens, and makes yes the stitches on your blouse are sewn properly. OpenCV offers an easy-to-use laptop imaginative and prescient framework and a complete library with greater than 500 services that could run imaginative and prescient code in actual time. Learning OpenCV will educate any developer or hobbyist to exploit the framework fast with assistance from hands-on workouts in every one chapter. This e-book includes: A thorough creation to OpenCV Getting enter from cameras remodeling photos Segmenting photos and form matching development recognition, together with face detection monitoring and movement in 2 and three dimensions 3D reconstruction from stereo imaginative and prescient laptop studying algorithms Getting machines to determine is a demanding yet enjoyable goal. no matter if you must construct uncomplicated or refined imaginative and prescient applications, studying OpenCV Learning OpenCV: Computer Vision with the OpenCV Library is the e-book you must get started.

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