



## Emgu CV Essentials

*By Shin Shi*

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**Emgu CV Essentials** By Shin Shi

### In Detail

Computer vision is an up and coming field within the field of Computer Science that combines image processing with machine learning. Emgu CV is a cross-platform library that can be used to practically explore really interesting features from image capturing to character recognition.

Emgu CV Essentials is a practical guide to the Emgu CV library, a .Net wrapper for the OpenCV image processing library. The main features and code samples are explained in order to give a better understanding of Emgu CV, with a wide variety of topics covered, from working with images and shape detection to creating a panorama from a series of images.

Learn the basics of Emgu CV, from creating your first project to covering the main areas of the computer vision field, with Emgu CV Essentials. Each chapter presents a separate project to the reader, and provides the background knowledge necessary to understand how the examples work. Learn how to start with EmguCV and try practical computer vision projects, or go straight to the topics you are most interested in, such as image processing, shape detection, face detection, optical character recognition, and more.

Emgu CV Essentials gives you the chance to explore the main areas of computer vision with helpful projects.

### Approach

This book provides a practical guide to Emgu CV libraries, with sample code and examples used throughout to explain the concepts clearly. Each chapter deals with a different aspect of the Computer Vision field and the implementation of that topic in Emgu CV.

### Who this book is for

If you are a C# programmer working on computer vision projects, this book is for you. You should have prior experience with C#.

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### Emgu CV Essentials By Shin Shi Bibliography

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### Editorial Review

About the Author

#### Shin Shi

Shin Shi is a member of the Digital Art Lab at Shanghai Jiao Tong University. When he built his first robot at the age of fourteen in 2005, he became interested in the field of computer vision. Over the last two years, he created a real-time face recognition attendance system using Emgu CV at Huazhong University of Science and Technology. He obtained a B.E. in Software Engineering from HUST and is currently an M.S. candidate in DA Lab from SJTU. Now he is focusing on the field of computer graphics, such as creating physics-based simulations and the use of animation.

### Users Review

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Reading can called imagination hangout, why? Because when you are reading a book specifically book entitled Emgu CV Essentials your brain will drift away trough every dimension, wandering in every aspect that maybe not known for but surely might be your mind friends. Imaging each and every word written in a reserve then become one contact form conclusion and explanation this maybe you never get just before. The Emgu CV Essentials giving you a different experience more than blown away the mind but also giving you useful details for your better life on this era. So now let us show you the relaxing pattern here is your body and mind are going to be pleased when you are finished looking at it, like winning a sport. Do you want to try this extraordinary investing spare time activity?

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#### David Johnston:

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