



# Kivy: Interactive Applications in Python - Second Edition

*Roberto Ulloa*

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**Create responsive cross-platform UI/UX applications and games in Python using the open source Kivy library**

## About This Book

- Utilize the power of Kivy to develop applications that run on all the major platforms
- Build user interfaces (UI) and control multi-touch events to improve the user experience (UX)
- A comprehensive tutorial with simplified code and lots of tips and tricks

## Who This Book Is For

If you are a Python developer who wants to create exciting and dynamic UI/UX applications that are compatible with multiple platforms, then this is the book for you. No prior experience with Kivy is required, although you should be familiar with Python and have a fair understanding of software engineering concepts such as inheritance, classes, and instances.

## What You Will Learn

- Build responsive user interfaces (UIs) using the Kivy language and the Kivy widgets
- Master the use of the Kivy canvas to display graphics on screen
- Keep the UI updated on user input and screen size with Kivy properties
- Bind and unbind Kivy events to control widgets, touches, the mouse, the keyboard, and animations
- Scale, rotate, and translate widgets using finger gestures
- Create and use your own gestures, and control multiple touches on the screen
- Enhance your widgets with behaviors, animations, and transitions
- Debug your application with the Kivy inspector

## In Detail

Kivy – Interactive Applications and Games in Python Second Edition, will equip you with all the necessary knowledge to create interactive, responsive, and cross-platform applications and games.

This book introduces the Kivy language and the necessary components so you can implement a graphical user interface (GUI) and learn techniques to handle events, detect gestures, and control multi-touch actions. You will learn strategies to animate your applications, and obtain interactive, professional-looking, and responsive results. You will be applying this knowledge throughout the book by developing three applications and tackling their diverse programming challenges.

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