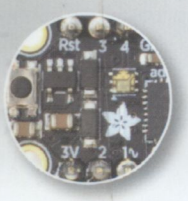
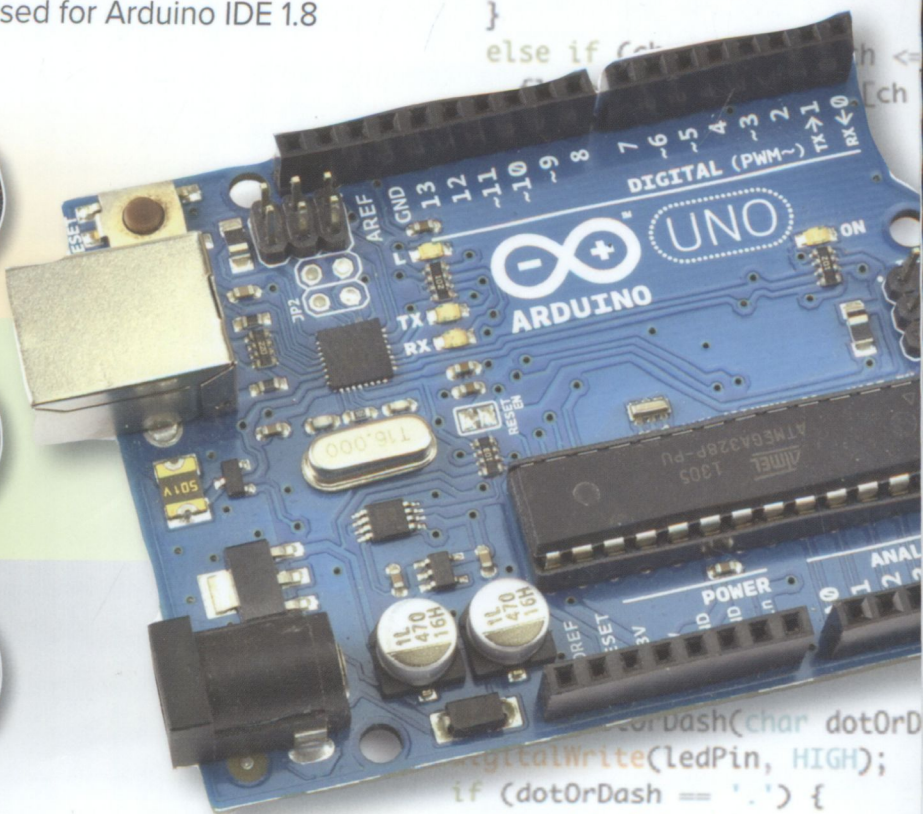
Third Edition

# Programming Arduino®

## Getting Started with Sketches

- New chapter on Arduino-compatible boards
- Includes the Arduino Web Editor
- Fully revised for Arduino IDE 1.8



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## Getting Started with Sketches

THIRD EDITION

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New York Chicago San Francisco
Athens London Madrid
Mexico City Milan New Delhi
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# CONTENTS

Electronics

# An up-to-date Arduino programming guide—no prior programming experience required!

This fully updated guide shows, step by step, how to quickly and easily program all Arduino models using its modified C language and the Arduino IDE. Electronics guru Simon Monk gets you up to speed quickly, teaching all concepts through simple language and clear instruction. *Programming Arduino®: Getting Started with Sketches, Third Edition* features dozens of easy-to-follow examples and high-quality illustrations. All of the sample sketches featured in the book can be used as is or modified to suit your needs. You will also get all new coverage of using Arduino as a framework for programming other popular boards.

- Configure your Arduino and start writing sketches
- Understand the basics of C language and the Arduino IDE
- Add functions, arrays, and strings to your sketches
- Set up Arduino's digital and analog I/O
- Use Arduino-compatible boards including ESP32, Pico, and micro:bit
- Work with built-in and custom Arduino libraries
- Write sketches that store data in EPROM or flash memory
- Interface with a wide range of displays, including LCDs
- Connect to the Internet and configure Arduino as a web server
- Develop interesting and useful programs for the Internet of Things

**ABOUT THE AUTHOR:**

**SIMON MONK** has a bachelor's degree in cybernetics and computer science and a Ph.D. in software engineering. He is the author of numerous books, including *Programming Arduino, 30 Arduino Projects for the Evil Genius, Hacking Electronics*, and *Make Your Own PCBs with Fritzing*. Dr. Monk also designs products for MonkMakes Ltd. (monkmakes.com).



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