



# Raspberry Pi and iOS Projects

*Gavin Williams*

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You probably already know that the Raspberry Pi is one of the coolest and most inexpensive little computers you'll ever find, but did you know you can control your Pi with your iPhone or iPad? In *Raspberry Pi and iOS Projects*, you'll find a lot of cool gadgets you can make with Raspberry Pi and control with your iOS device. No iOS development experience necessary, and no Python programming required! Using JavaScript-based Node.js as your primary language, you'll first learn how to get your Pi up and running, then how to get it to talk to your iPhone or iPad.

Once you've got these basics down, you'll have a variety of fun projects to choose from: a light switch controller, a candy grabber, a hacked remote control car, a proximity sensor, and even an NFC reader and an iBeacon.

If you'd like to try these projects with both the Arduino and the Raspberry Pi, you can also pick up *Arduino and iOS Projects* and see the same projects done using Arduino instead of Raspberry Pi. Author Gavin Williams will walk you through both flavors of iOS-controlled projects. But if you really want to see how Raspberry Pi can easily work with iOS, *Raspberry Pi and iOS Projects* is definitely the book for you.

## What you'll learn

- How to send messages between Raspberry Pi and iOS over wifi
- How to control hardware with Raspberry Pi
- How to hack a bubble machine and create a candy grabber
- How to control motors and hack a toy car
- How to create wireless proximity and color sensors
- How to create an NFC reader and iBeacon

## Who this book is for

Makers, educators, iOS developers wanting to try the Raspberry Pi, or even iPhone and iPad users who want to get a taste of Raspberry Pi hacking.

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