



Learning JavaScript Robotics

Kassandra Perch

Download now

[Click here](#) if your download doesn't start automatically

Learning JavaScript Robotics

Kassandra Perch

Learning JavaScript Robotics Kassandra Perch

Design, build, and program your own remarkable robots with JavaScript and open source hardware

About This Book

- Learn how to leverage Johnny-Five's Read, Eval, Print Loop, and Event API to write robot code with JavaScript
- Unlock a world of exciting possibilities by hooking your JavaScript-programmed robots up to the internet and using external data and APIs
- Move your project code from the Arduino Uno to a multitude of other robotics platforms

Who This Book Is For

If you've worked with Arduino before or are new to electronics and would like to try writing sketches in JavaScript, then this book is for you! Basic knowledge of JavaScript and Node.js will help you get the most out of this book.

What You Will Learn

- Familiarise yourself with Johnny-Five Read, Eval, and Print Loop (REPL) to modify and debug robotics code in real time
- Build robots with basic output devices to create projects that light up, make noise, and more
- Create projects with complex output devices, and employ the Johnny-Five API to simplify the use of components that require complex interfaces, such as I2C
- Make use of sensors and input devices to allow your robotics projects to survey the world around them and accept input from users
- Use the Sensor and Motor objects to make it much easier to move your robotics projects
- Learn about the Animation API that will allow you to program complex movements using timing and key frames
- Bring in other devices to your Johnny-Five projects, such as USB devices and remotes
- Connect your Johnny-Five projects to external APIs and create your own Internet of Things!

In Detail

There has been a rapid rise in the use of JavaScript in recent times in a variety of applications, and JavaScript robotics has seen a rise in popularity too. Johnny-Five is a framework that gives NodeBots a consistent API and platform across several hardware systems.

This book walks you through basic robotics projects including the physical hardware builds and the JavaScript code for them. You'll delve into the concepts of Johnny-Five and JS robotics.

You'll learn about various components such as Digital GPIO pins, PWM output pins, Sensors, servos, and motors to be used with Johnny-Five along with some advanced components such as I2C, and SPI. You will

learn to connect your Johnny-Five robots to internet services and other NodeBots to form networks. By the end of this book, you will have explored the benefits of the Johnny-Five framework and the many devices it unlocks.

Style and approach

This step-by-step guide to the Johnny-Five ecosystem is explained in a conversational style, packed with examples and tips. Each chapter also explores the Johnny-Five documentation to enable you to start exploring the API on your own.

 [Download Learning JavaScript Robotics ...pdf](#)

 [Read Online Learning JavaScript Robotics ...pdf](#)

Download and Read Free Online Learning JavaScript Robotics Cassandra Perch

From reader reviews:

Thomas Whitaker:

The book Learning JavaScript Robotics can give more knowledge and information about everything you want. So just why must we leave a very important thing like a book Learning JavaScript Robotics? A number of you have a different opinion about book. But one aim that will book can give many data for us. It is absolutely suitable. Right now, try to closer with the book. Knowledge or info that you take for that, you may give for each other; you can share all of these. Book Learning JavaScript Robotics has simple shape nevertheless, you know: it has great and big function for you. You can appear the enormous world by start and read a reserve. So it is very wonderful.

Lowell Oliver:

Book is to be different for every grade. Book for children until eventually adult are different content. As you may know that book is very important normally. The book Learning JavaScript Robotics ended up being making you to know about other expertise and of course you can take more information. It doesn't matter what advantages for you. The guide Learning JavaScript Robotics is not only giving you much more new information but also being your friend when you sense bored. You can spend your spend time to read your reserve. Try to make relationship with all the book Learning JavaScript Robotics. You never sense lose out for everything in the event you read some books.

Dona Cole:

Don't be worry when you are afraid that this book will certainly filled the space in your house, you will get it in e-book approach, more simple and reachable. This particular Learning JavaScript Robotics can give you a lot of good friends because by you considering this one book you have issue that they don't and make anyone more like an interesting person. This book can be one of a step for you to get success. This e-book offer you information that possibly your friend doesn't understand, by knowing more than other make you to be great individuals. So , why hesitate? Let us have Learning JavaScript Robotics.

Linda Barefoot:

That publication can make you to feel relax. That book Learning JavaScript Robotics was multi-colored and of course has pictures on there. As we know that book Learning JavaScript Robotics has many kinds or type. Start from kids until youngsters. For example Naruto or Private eye Conan you can read and believe that you are the character on there. Therefore , not at all of book are generally make you bored, any it makes you feel happy, fun and chill out. Try to choose the best book in your case and try to like reading which.

**Download and Read Online Learning JavaScript Robotics
Kassandra Perch #TESKV59JD60**

Read Learning JavaScript Robotics by Kassandra Perch for online ebook

Learning JavaScript Robotics by Kassandra Perch Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Learning JavaScript Robotics by Kassandra Perch books to read online.

Online Learning JavaScript Robotics by Kassandra Perch ebook PDF download

Learning JavaScript Robotics by Kassandra Perch Doc

Learning JavaScript Robotics by Kassandra Perch Mobipocket

Learning JavaScript Robotics by Kassandra Perch EPub