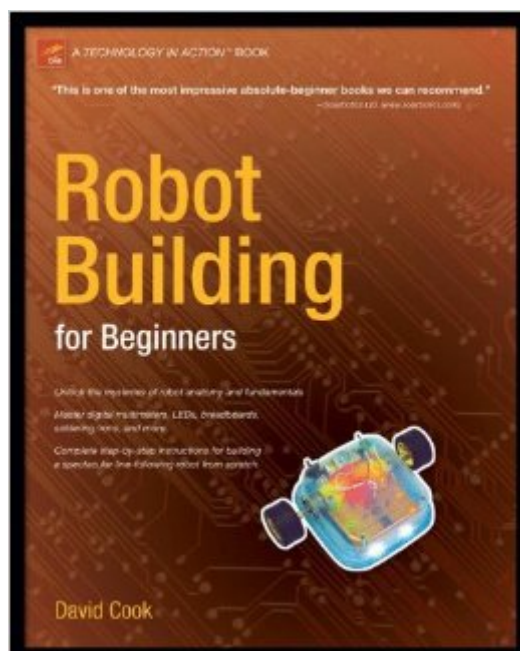# Robot Building For Beginners

Synopsis

Learning robotics by yourself isnt easy, but it helps when the encouragement comes from an expert whos spent years in the field. Not only does author David Cook assist you in understanding the component parts of robot development, but he also presents valuable techniques that prepare you to make new discoveries on your own. Cook begins with the anatomy of a homemade robot and gives you the best advice on how to proceed successfully. General sources for tools and parts are provided in a consolidated list, and specific parts are recommended throughout the book. Also, basic safety precautions and essential measuring and numbering systems are promoted throughout. Specific tools and parts covered include digital multimeters, motors, wheels, resistors, LEDs, photoresistors, transistors, chips, gears, nut drivers, batteries, and more. Robot Building for Beginners is an inspiring book that provides an essential base of practical knowledge for anyone getting started in amateur robotics.

Book Information

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Average Customer Review: 4.6 out of 5 starsÂ Â See all reviewsÂ (108 customer reviews)

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Customer Reviews

I'm an Electrical Engineer at U.C. I bought this book so I could learn some "real world knowledge" about the physical world instead of just theory. I only asked for (and thankfully received) a multimeter, soldering iron, and a cordless dremel drill for Christmas. After reading this book, I now remember why I chose my major--making a robot is a blast!Being strong on the theory, I didn't learn anything in that regard. On the flip side, David Cook described the basics in a way that anyone

could understand. What I really wanted to learn was to be able to put my Christmas presents to use. He spent a chapter just on the multimeter! I loved it. Also, every part of the robot was described in detail. I now know the difference between choosing motors, batteries, transistors, comparitors, diodes, potentiometers, photo-resistors, ect.When I brought my first creation into my Electromagnetics class yesterday, I of course was asked to give a demonstration. From reading this book (to be honest a total of 3 times), I described everything about it in clear/consise detail. The only part I failed was receiving extra credit. Yes I did try :D.I couldn't imagine a better book for beginners. There is a website that describes the robot AND the few typos caught (nothing that mattered), ways he took this idea and added a couple more in a similar project, as well as detailing the post construction of robots he's made since then. Cook goes into detail for troubleshooting a potential screw up you may make (If 'X' is happening then you probably did 'Y'). Yes I made one too--thanks for asking.There is one part I didn't like about the project though--using an M&M's Mini tube to hold the motors. Being so close to Valentine's day, the only selection they had were PINK ones!

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