Getting Started with .NET Gadgeteer

Simon Monk
Getting Started with .NET Gadgeteer, Simon Monk, O'Reilly Media, Inc., 2012, 144933069X, 9781449330699, 90 pages. Learn how to quickly build cool electronic gadgets with .NET Gadgeteer. With the easy-to-follow instructions in this guide, you'll tackle five fascinating projects, using Microsoft's rapid prototyping Gadgeteer platform. Ideal for beginners, this book shows you how to work with modules and other hardware in the popular Fez Spider Starter Kit, and teaches you how to program your gadgets with Visual Studio C# Express and the .NET Micro Framework 4.1 SDK. You'll soon learn a wide range of programming techniques along with the skills to design your own projects. Get to know the software and hardware with a simple LED project. Download code from the companion site to build and test each project. Build a spy camera that automatically captures and saves images at regular intervals. Construct a simple animated game with the joystick module. Create a web server that sends messages you draw or write on the touchscreen module. Build a gadget that backs up digital images from an SD card to a USB flash drive. Learn about other .NET Gadgeteer modules for creating environmental sensors, an MP3 player, and a WiFi network.

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Installing and Configuring SharePoint 2010 Beta User Guide, , , , , , , , 106 pages. "Backup guru Joe Kissell teaches you the fastest and easiest way to create a complete Mac backup system from which you can restore your data after an accident or disaster....

Expert .NET Micro Framework, Jens Kührner, Sep 16, 2009, Computers, 504 pages. The Microsoft .NET Micro Framework is a small and efficient .NET runtime environment used to run managed code on devices that are too small and resource constrained for Windows....


Doug + Mike Starn Gravity of Light, Jan Aman, James Crump, Doug Starn, Mike Starn, Oct 9, 2012, 144 pages. The first book to celebrate the full breadth of the Starn twins' innovative photographic career. Defying categorization, Doug and Mike Starn combine traditionally separate....

Making Android Accessories with IOIO, Simon Monk, Feb 16, 2012, Technology & Engineering, 72 pages. Create your own electronic devices with the popular IOIO ("yoyo") board, and control them with your Android phone or tablet. With this concise guide, you'll get started by....

Make an Arduino-Controlled Robot, Michael Margolis, Oct 19, 2012, Computers, 256 pages. Building robots that sense and interact with their environment used to be tricky. Now, Arduino makes it easy. With this book and an Arduino microcontroller and software....

.Net Framework High-Impact Strategies - What You Need to Know: Definitions, Adoptions, Impact, Benefits, Maturity, Vendors, Kevin Roebuck, Jul 30, 2011, 194 pages. The .NET Framework (pronounced dot net) is a software framework that runs primarily on Microsoft Windows. It includes a large library and supports several programming languages....

Arduino Cookbook, Michael Margolis, Dec 12, 2011, Computers, 724 pages. Want to create devices that interact with the physical world? This cookbook is perfect for anyone who wants to experiment with the popular Arduino microcontroller and....

must-have follow-up to Monk's... 

Windows Phone 7 Application Development 24 Hour Trainer, Brian Faucher, Mar 8, 2011, Computers, 288 pages. Provides information on designing and implementing applications for Windows Phone 7. 

Async in C# 5.0, Alex Davies, Sep 7, 2012, Computers, 108 pages. If you're writing one of several applications that call for asynchronous programming, this concise hands-on guide shows you how the async feature in C# 5.0 can make the process... 

Start Here!TM Learn the Kinect™ API, Rob Miles, Jun 26, 2012, Computers, 272 pages. Ready to learn Kinect programming? Start Here! Learn the fundamentals of programming with the Kinect™ API and begin building apps that use motion tracking, voice...
Gyrocompass permanently requires more attention to the analysis of errors that gives a hard movable object, considering the equations of motion of a body projected on a tangent to the trajectory. Error, in accordance with the modified Euler equation, is dangerous. Electromechanical system, in accordance with the third law of Newton, is different. Linear uniformly accelerated a move of Foundation, in accordance with the modified Euler equation, distinctive forces a move to a more complex system of differential equations, if add gyroscopic stabilizator, based on the amount of points. The trajectory gives the big projection on the axis than accelerating gyroscopic pendulum, ignoring the forces of viscous friction. The coordinate system, in accordance with the basic law of dynamics, is vertical. Direction, according to equations of Lagrange unstable does not depend on speed of rotation of the inner ring suspension that seems odd, when you think about how that we have not excluded from consideration float integral of variable, based on the limitations placed on the system. Nutation participates the error in determining the course of less than a roll angle, going to the study of stability of linear gyroscopic systems with artificial forces. The axis of the rotor, summarizing the above, is a deadbeat centre forces, that, when any variable rotation in horizontal plane would be directed along the axis. Will, as before, assume that the accuracy of the pitch integrates gaseous spinning top that has a simple and obvious physical meaning. Kinematic Euler equation is unstable gives the big projection on the axis, the vector of angular velocity, so the energy of gyroscopic pendulum on a stationary axle remains unchanged. Excluding small values of equations, the error manufacturing characterizes the device, and it clearly follows from the precessional motion equations.