30 BeagleBone Black Projects for the Evil Genius

By Christopher Rush

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Fiendishly Fun Ways to Use the BeagleBone Black!

This wickedly inventive guide shows you how to program and build fun and fascinating projects with the BeagleBone Black. You'll learn how to connect the BeagleBone Black to your computer and program it, quickly mastering BoneScript and other programming tools so you can get started right away. *30 BeagleBone Black Projects for the Evil Genius* is filled with a wide variety of do-it-yourself LED, sensor, robotics, display, audio, and spy gadgets. You'll also get tips and techniques that will help you design your own ingenious devices.

- Features step-by-step instructions and helpful illustrations
- Provides full schematic and breadboard layout diagrams for the projects
- Includes detailed programming code
- Removes the frustration factor?all required parts are listed along with sources

Build these and other clever creations:

- High-powered LED Morse code sender
- RGB LED fader
- GPS tracker
- Temperature sensor
- Light level indicator
- Web-controlled rover
- Plant hydration system
- Sentinel turret
- 7-segment clock
- Display for sensor information
- Internet radio
- Imperial march indicator
- Intruder alert using Twitter API
- Lie detector
- Auto dog barker

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Editorial Review

About the Author

Christopher Rush (Preston, UK) has a degree in Computer Network Technology and has spent the last 10 years working for Premier Farnell (CPC), an electronic distribution company. He also runs a MakerSpace blog and blogs regularly on the Element14 Community page for BeagleBone Black.

Users Review

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