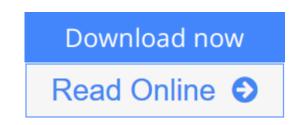# Programming the BeagleBone Black: Getting Started with JavaScript and BoneScript (Electronics)

By Simon Monk

Programming the BeagleBone Black: Getting Started with JavaScript and BoneScript (Electronics) By Simon Monk

Program your own BeagleBone Black projects!

Build creative BeagleBone Black devices--no prior programming or electronics experience required. In *Programming the BeagleBone Black*, electronics guru Simon Monk explains essential application development methods through straightforward directions and cool downloadable examples. Discover how to navigate the board, write and debug code, use expansion capes, and control external hardware. Easy-to-follow plans show you how to wire up and program a Web-controlled roving robot and an e-mail notifier that lights an incandescent lamp.

- Set up the BeagleBone Black and explore its features
- Connect to your computer via USB or Ethernet
- Use the BeagleBone Black as a stand-alone PC
- Write and execute BoneScript code
- Use JavaScript functions and timers
- Perform analog and digital I/O
- Work with expansion capes and modules
- Design Web interfaces that control electronics
- Assemble and program a robot and an e-mail notifier

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Programming the BeagleBone Black: Getting Started with JavaScript and BoneScript (Electronics) By Simon Monk Bibliography

- Sales Rank: #579961 in Books
- Published on: 2014-05-06
- Released on: 2014-05-06
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x .40" w x 5.90" l, .65 pounds
- Binding: Paperback
- 216 pages

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Editorial Review

About the Author

Dr. Simon Monk (Preston, UK) has a degree in Cybernetics and Computer Science and a PhD in Software Engineering. He is the bestselling author of *Programming Arduino, Programming the Raspberry Pi*, and other books.

Users Review

From reader reviews:

George Falls:

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