Getting Started with BeagleBone: Linux-Powered Electronic Projects With Python and JavaScript

By Matt Richardson

Getting Started with BeagleBone: Linux-Powered Electronic Projects With Python and JavaScript By Matt Richardson

Many people think of Linux as a computer operating system, running on users' desktops and powering servers. But Linux can also be found inside many consumer electronics devices. Whether they're the brains of a cell phone, cable box, or exercise bike, *embedded Linux systems* blur the distinction between computer and device.

Many makers love microcontroller platforms such as Arduino, but as the complexity increases in their projects, they need more power for applications, such as computer vision. The BeagleBone is an embedded Linux board for makers. It's got built-in networking, many inputs and outputs, and a fast processor to handle demanding tasks. This book introduces you to both the original BeagleBone and the new BeagleBone Black and gets you started with projects that take advantage of the board's processing power and its ability to interface with the outside world.

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Editorial Review

About the Author

Matt Richardson is a Brooklyn-based creative technologist and video producer. He's a contributor to MAKE magazine and Makezine.com. Matt is also the owner of Awesome Button Studios, a technology consultancy. Highlights from his work include the Descriptive Camera, a camera which outputs a text description of a scene instead of a photo. He also created The Enough Already, a DIY celebrity-silencing device. Matt's work has garnered attention from The New York Times, Wired, New York Magazine and has also been featured at The Nevada Museum of Art and at the Santorini Bienniele. He is currently a Master's candidate at New York University's Interactive Telecommunications Program.

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