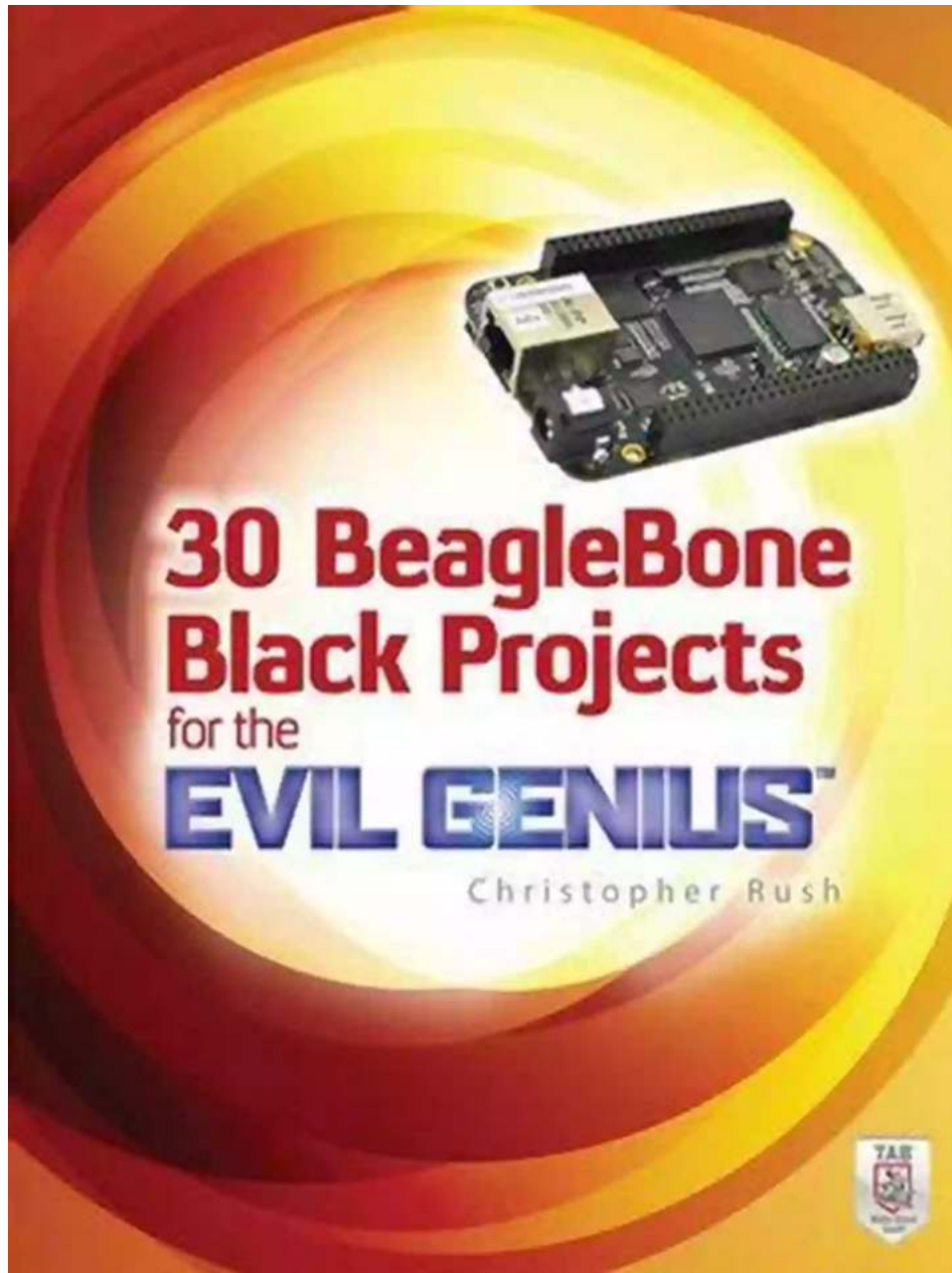


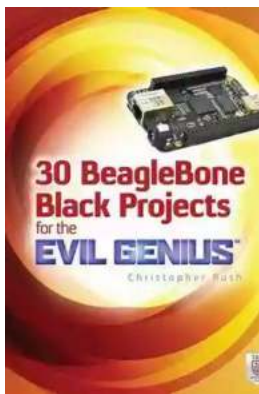
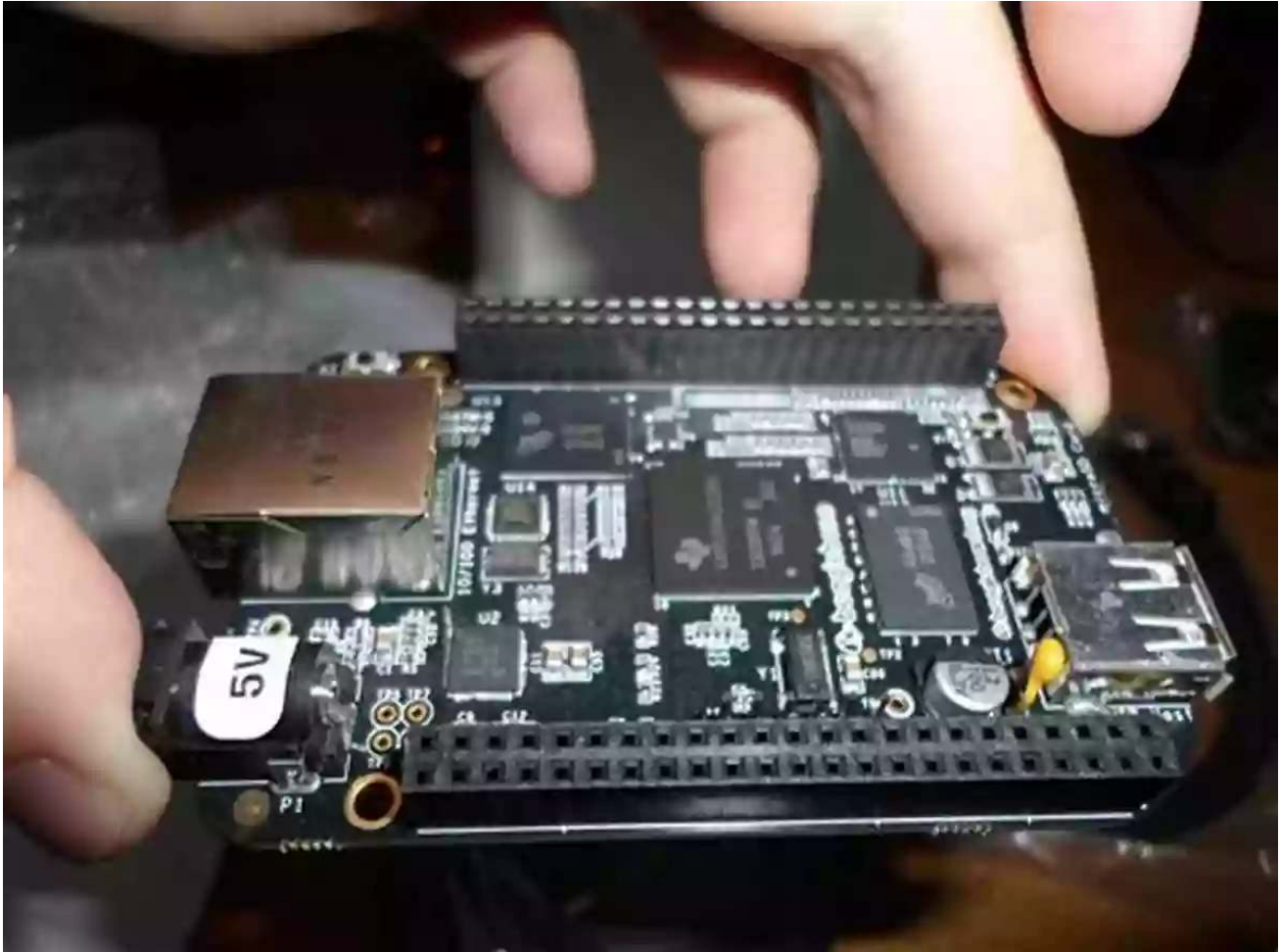
30 BeagleBone Black Projects For The Evil Genius



Welcome to the world of BeagleBone Black projects that will unleash your inner evil genius. With its powerful capabilities and versatility, this single-board computer is a playground for those who love to tinker, create, and experiment.

Whether you are a hobbyist or a professional, the BeagleBone Black offers endless possibilities to bring your ideas to life.

1. Home Automation System



30 BeagleBone Black Projects for the Evil Genius

by Christopher Rush(1st Edition, Kindle Edition)

★★★★☆ 4.2 out of 5

Language : English

File size : 38368 KB

Text-to-Speech : Enabled

Enhanced typesetting : Enabled

Print length : 386 pages

Screen Reader : Supported

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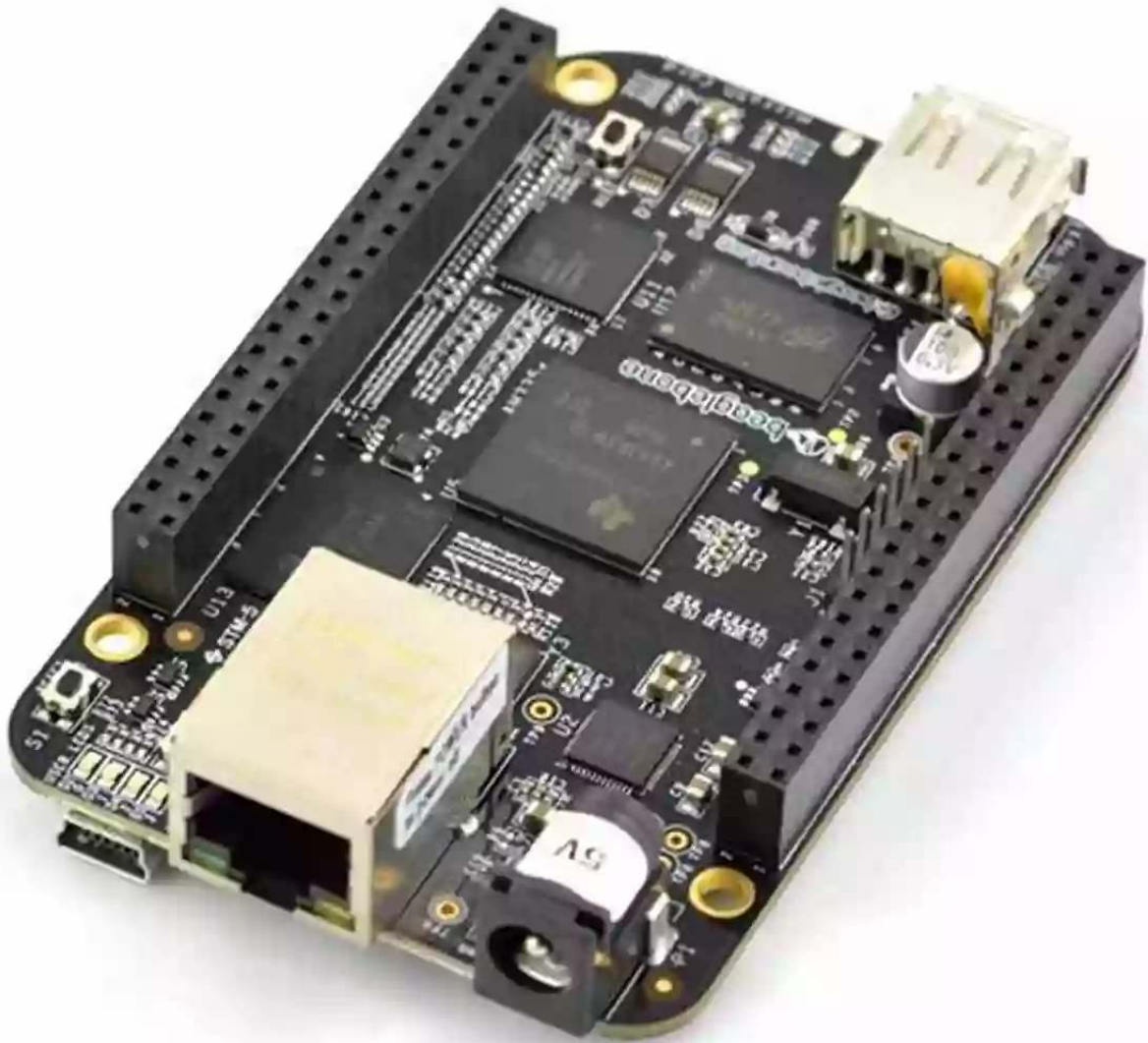
Create a smart home with BeagleBone Black by building an automated system that controls lights, appliances, and security devices. Transform your home into a futuristic living space!

2. Autonomous Rover



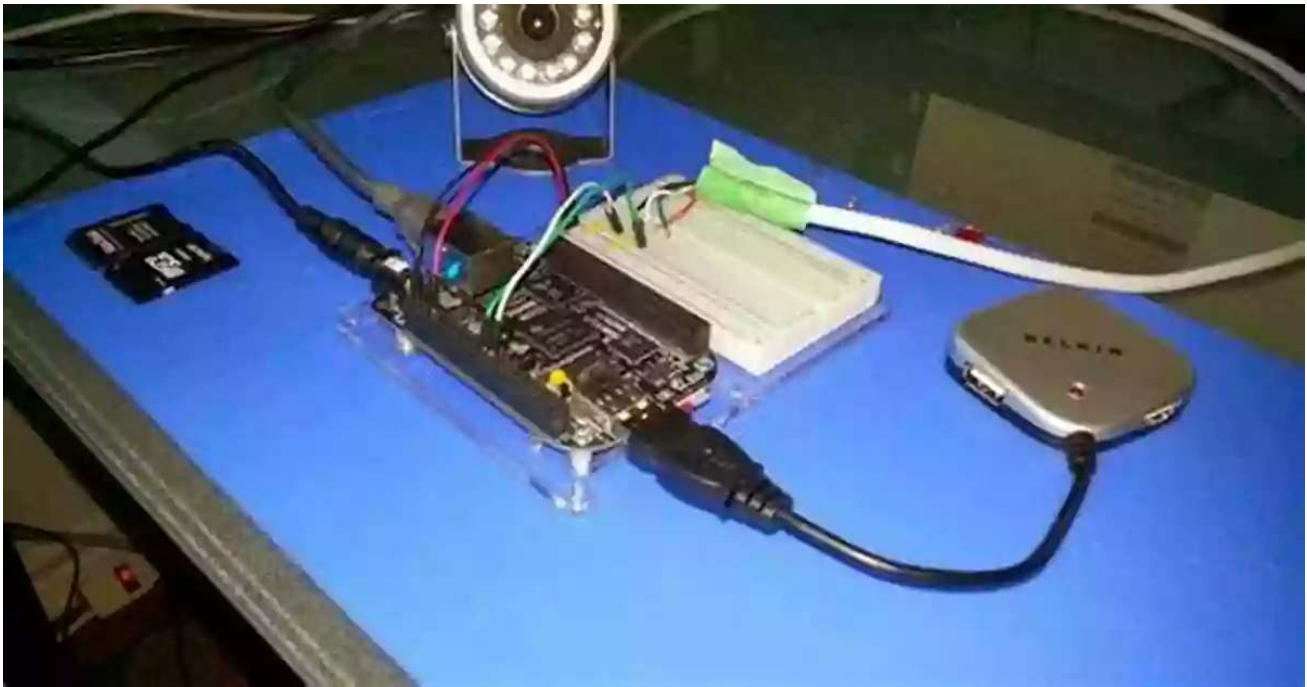
Build a remote-controlled rover that can navigate on its own using sensors and algorithms. Explore terrains and gather data with this fun project.

3. Weather Station



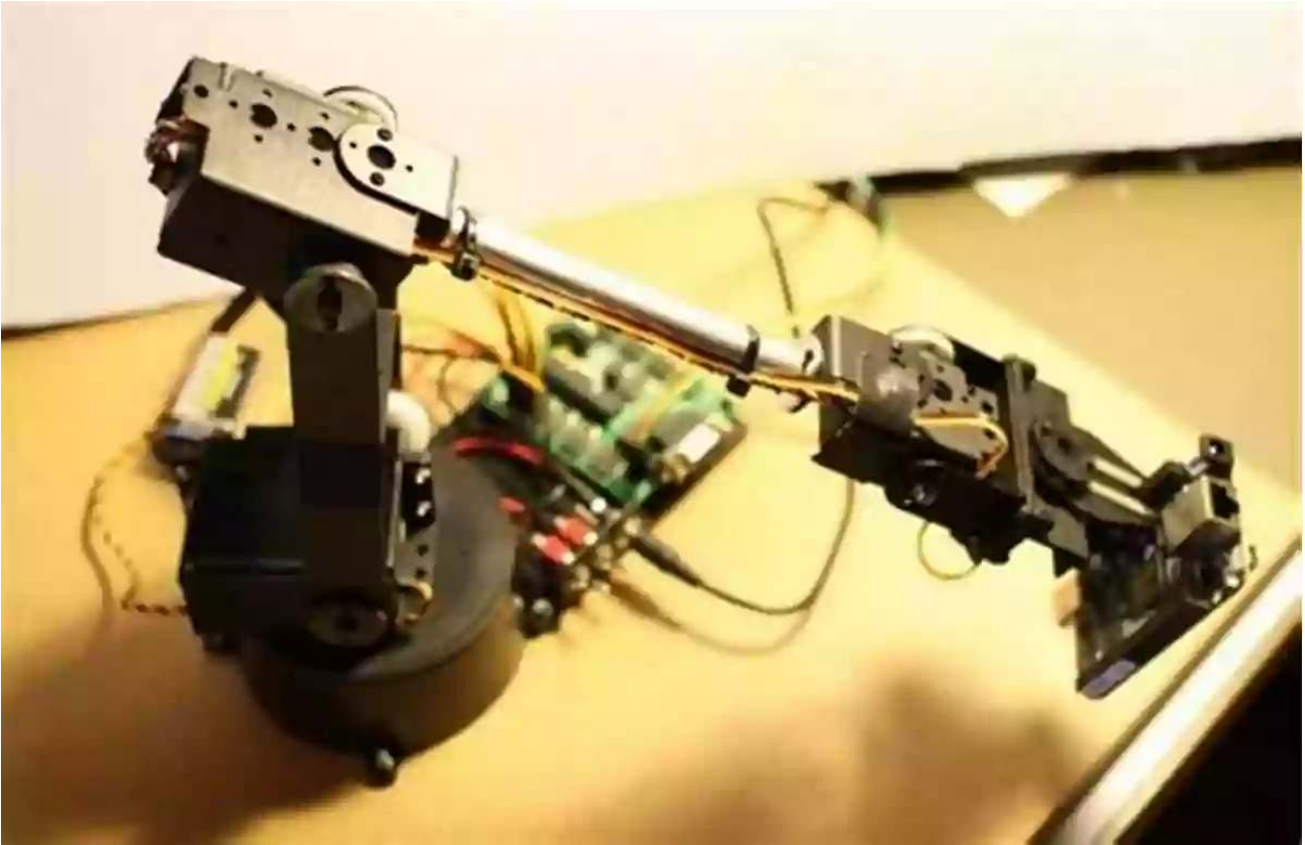
Set up a weather station using BeagleBone Black to monitor real-time weather conditions, temperature, humidity, and more. Become your own meteorologist!

4. Home Security System



Protect your home with a DIY security system powered by BeagleBone Black. Monitor and receive alerts in case of suspicious activities.

5. Robotic Arm



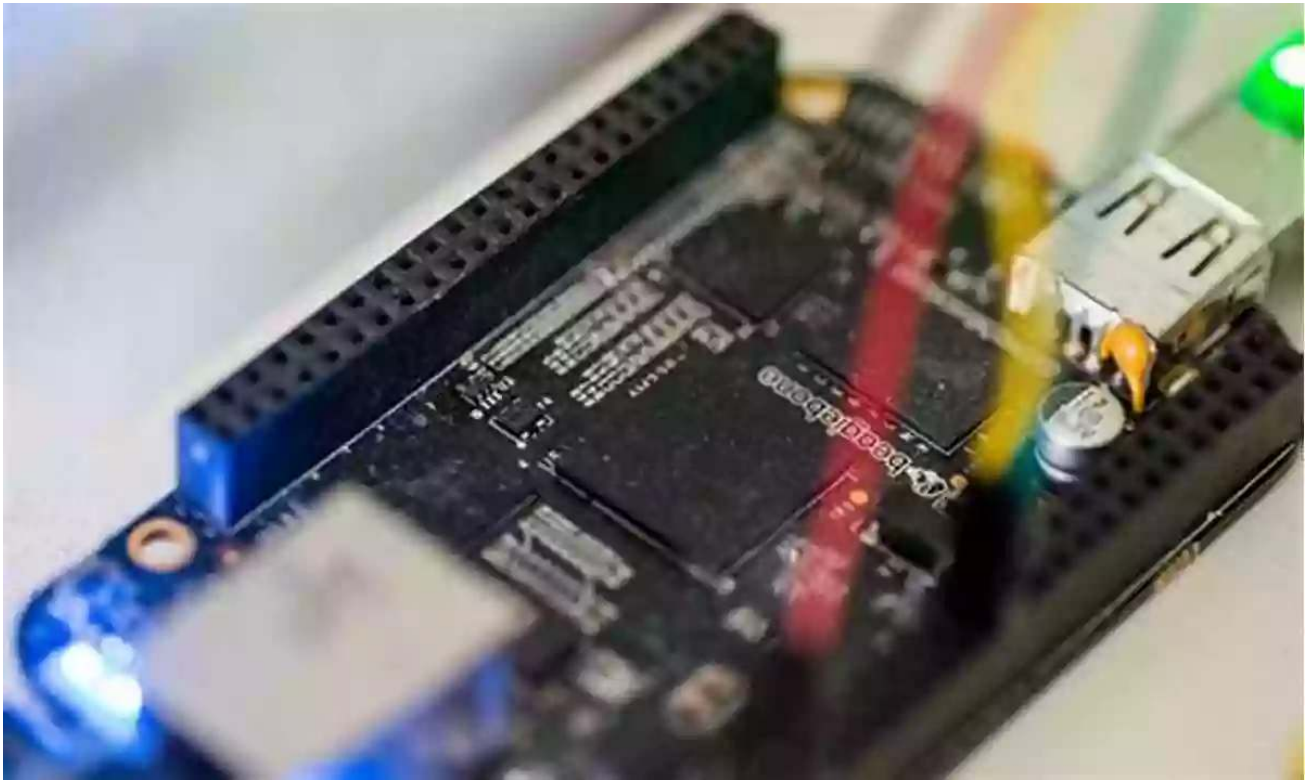
Build a robotic arm that can mimic your movements or perform specific tasks.
Experience the thrill of controlling a mechanical arm!

6. Retro Game Console



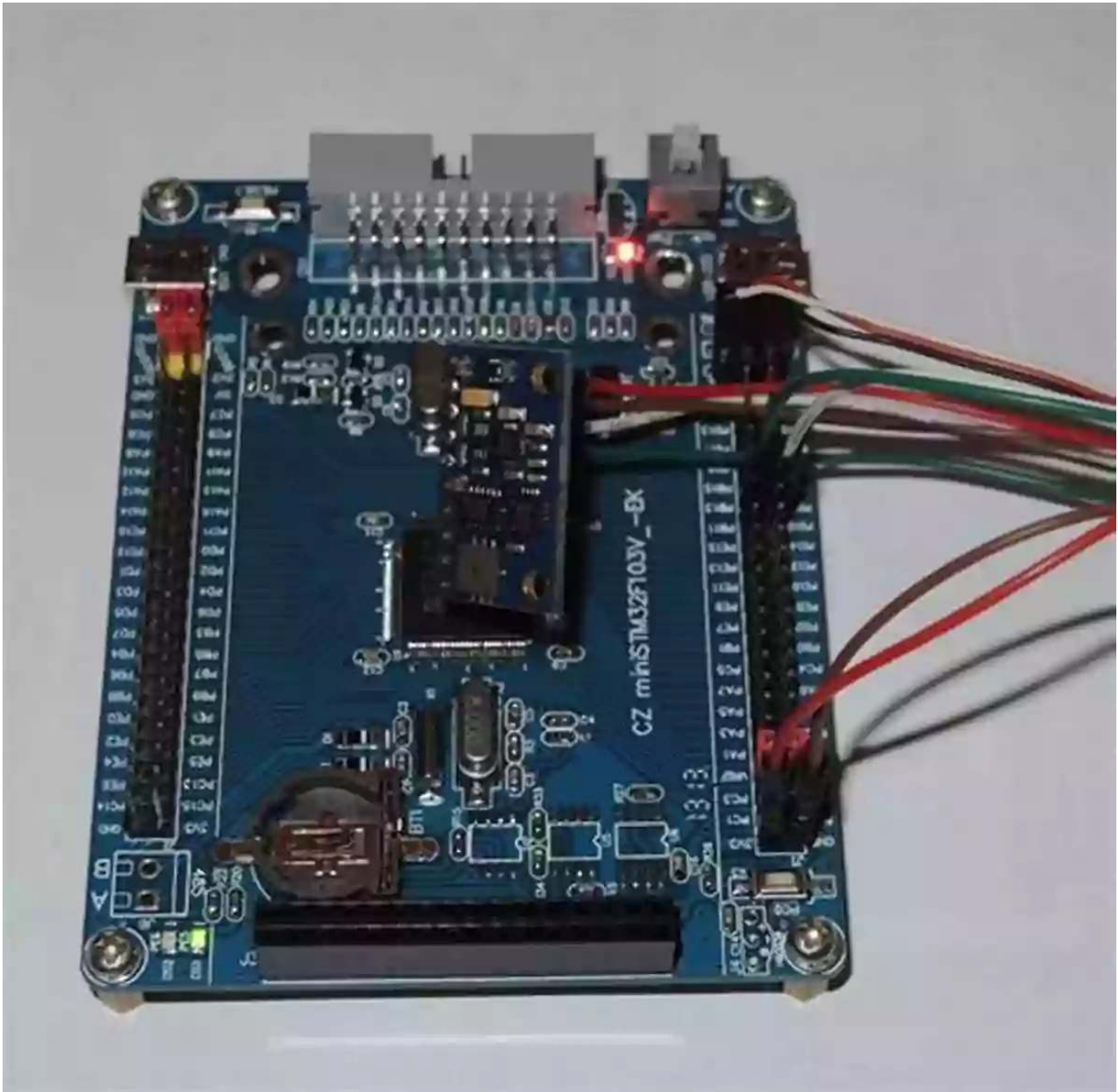
Transform your BeagleBone Black into a retro gaming console and play classic video games. Relive the nostalgia of 8-bit and 16-bit gaming!

7. Voice-controlled Home Assistant



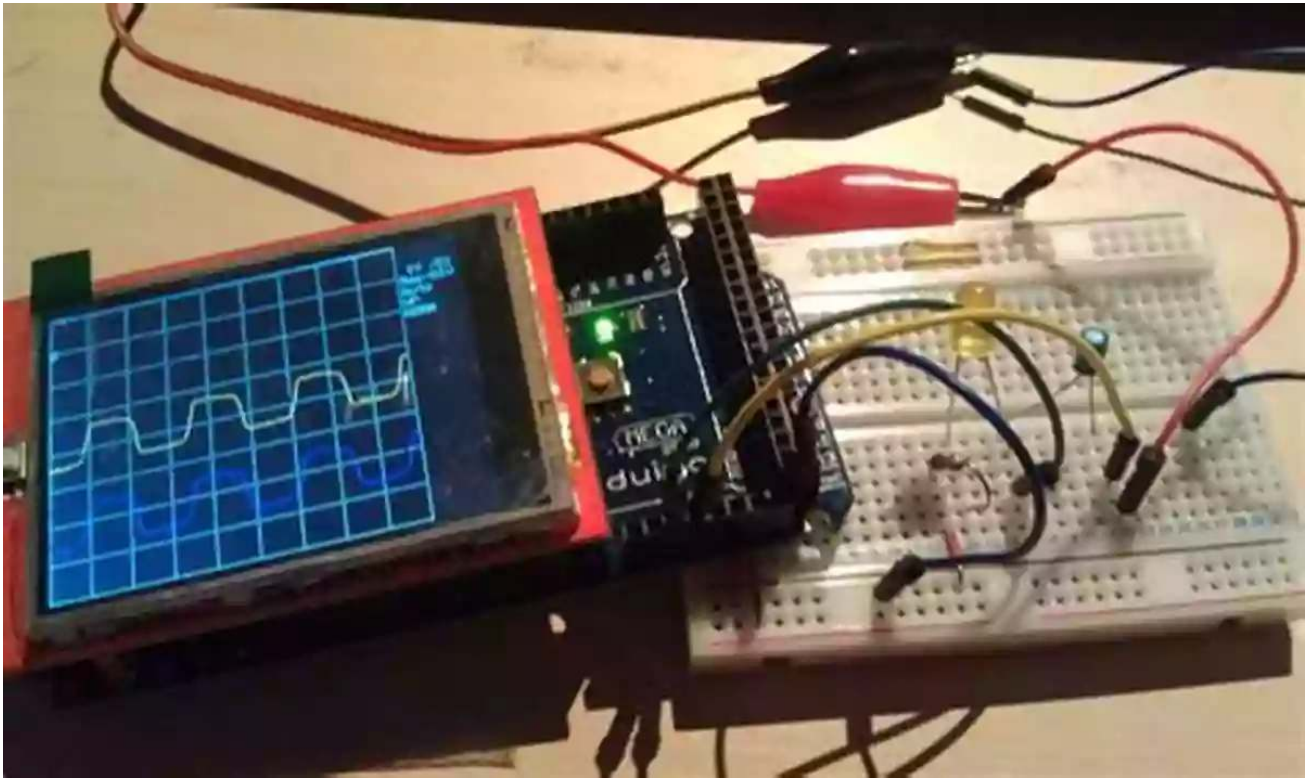
Create your own voice-activated home assistant like Siri or Alexa using BeagleBone Black, voice recognition software, and smart home devices.

8. Drone Controller



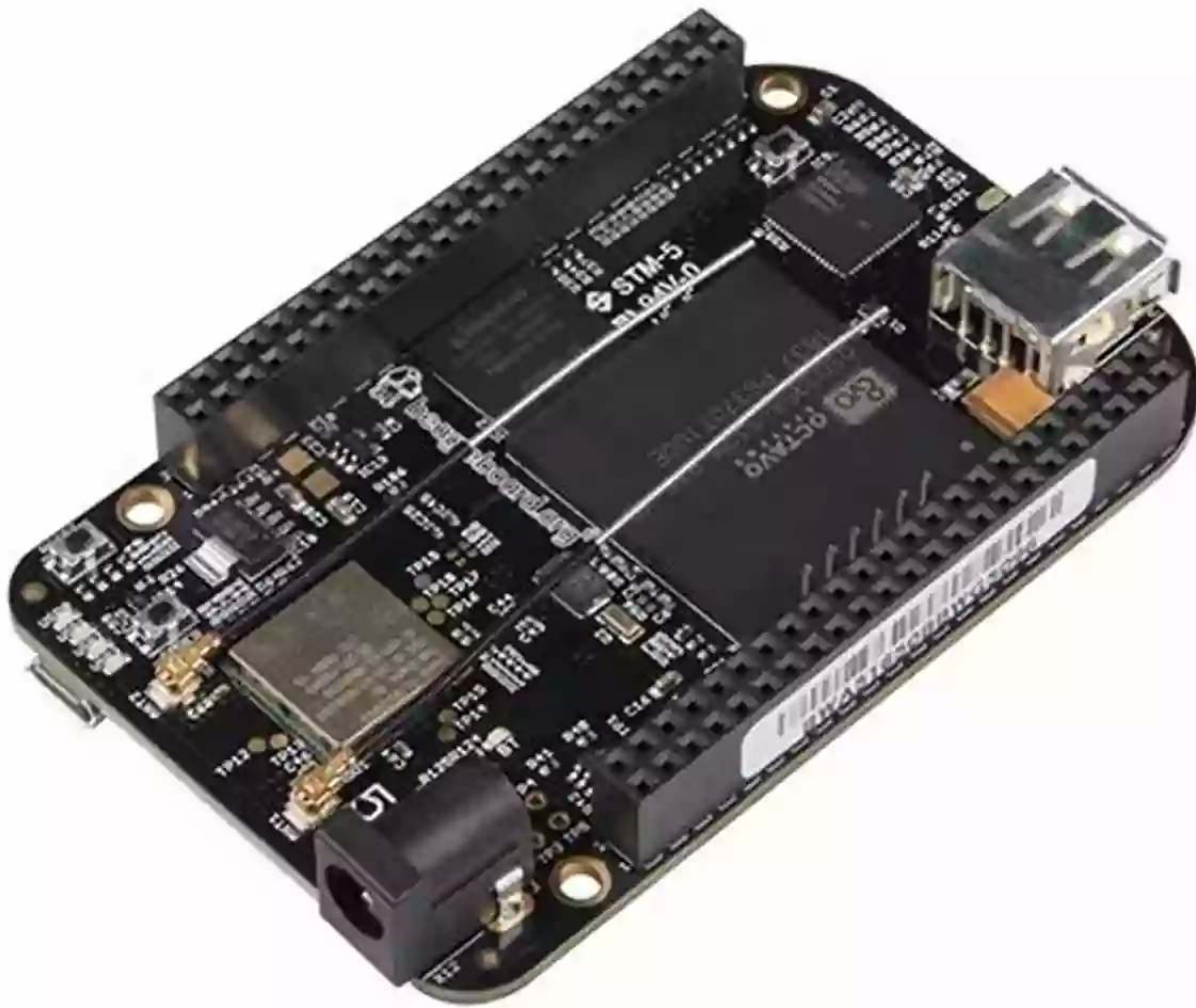
Build a custom drone controller with BeagleBone Black that gives you full control over your drone's movements and capabilities.

9. Digital Oscilloscope



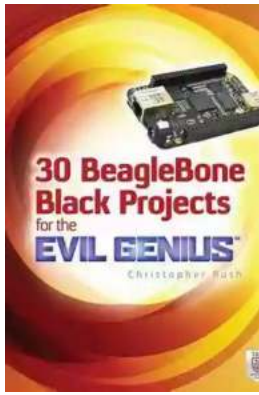
Create a digital oscilloscope using BeagleBone Black that allows you to visualize and analyze electrical signals with precision.

10. WiFi Sniffer



Monitor and analyze wireless network traffic in your vicinity with a BeagleBone Black-powered WiFi sniffer. Discover vulnerabilities and secure your network.

These are just a few examples of the incredible projects you can undertake with the BeagleBone Black. Release your inner evil genius and start exploring the endless possibilities!



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Fiendishly Fun Ways to Use the BeagleBone Black!

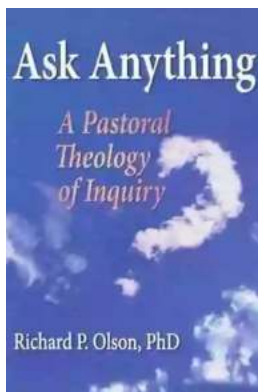
This wickedly inventive guide shows you how to program and build fun and fascinating projects with the BeagleBone Black. You'll learn how to connect the BeagleBone Black to your computer and program it, quickly mastering BoneScript and other programming tools so you can get started right away. 30 BeagleBone 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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