

HTML5 Mobile Web Development

Jake Carter



About the instructor



Jake Carter is a web and software developer at RogueSheep, an award-winning Seattle-based company dedicated to creating top-tier applications that focus on design and usability. While he currently develops for Apple's iOS devices, Jake has a personal and professional enthusiasm for web standards. Staying on the cutting edge of technology is more than just a job for Jake—it's a passion.

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Week 10 Tip Sheet

Device Motion

The DeviceMotion and DeviceOrientation APIs are used to access the device's accelerometer and gyroscope information.

To listen for changes of the accelerometer listen for the "devicemotion" event on the 'window' object.

Example

```
window.addEventListener("devicemotion", function() {
    // Acceleration with gravity.
    var xG = event.accelerationIncludingGravity.x;
    var yG = event.accelerationIncludingGravity.y;
    var zG = event.accelerationIncludingGravity.z;

    // Acceleration without gravity.
    // Must have gyroscope to get this info.
    var x = event.acceleration.x;
    var y = event.acceleration.y;
    var z = event.acceleration.z;
}, false);
```

To listen for changes of the gyroscope listen for the "deviceorientation" event on the 'window' object.

Example

Related Links

https://developer.apple.com/library/safari/#documentation/SafariDOMAdditions/Reference/DeviceMotionEventClassRef/DeviceMotionEvent.html

https://developer.apple.com/library/safari/#documentation/SafariDOMAdditions/Reference/DeviceOrientationEventClassRef/DeviceOrientationEvent/DeviceOrientationEvent.html%23//apple_ref/doc/uid/TP40010526

Examples

http://mrgan.com/pieguy/

http://www.20thingsilearned.com/

http://html5gallery.com/

http://www.chromeexperiments.com/

Libraries

http://jqtouch.com/

http://jquerymobile.com/

http://www.sencha.com/

http://processingjs.org/

Blogs

http://html5doctor.com/

http://html5watch.tumblr.com/

http://net.tutsplus.com/

http://line25.com/

http://www.alistapart.com/

http://css-tricks.com/