

Title: Geo-fence Application to Improve Environmental Awareness

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Description of the Challenge:

A geofence is a virtual barrier. Programs that incorporate geo-fencing allow an administrator to set up triggers so when a device enters (or exits) the defined boundaries, the user is notified.

Develop a mobile app that improves environmental awareness through the use of geo-fences. The experience would be similar to the Macy's mobile app that gives you updates on items as you browse through the store. Only in this case the user would get a push notification of the presence of a green infrastructure project, wilderness area, habitat restoration or other projects from Geo Grants that EPA has funded.

Hopeful Outcome:

Develop a mobile app that will send out push notifications when a user is in the proximity of defined boundaries. The mobile app would not have a front end interface and will run in the background and only provide push notifications.

Skills Needed:

Coding/development experience