

# Develop an iOS mobile app of NLM TOXMAP



Project Title	Develop an iOS mobile app of NLM TOXMAP
Project Summary	Develop, test and deploy an iOS native mobile app of NLM TOXMAP
Country	United States
Agency	National Library of Medicine
DoS Office	N/A
Post	N/A
Section	N/A
Number of Interns	1

## Project Description

NLM TOXMAP (<http://toxmap.nlm.nih.gov>) is a website that maps industrial toxic releases and other environmental health data, primarily from the US EPA. Some design and implementation of an app based on TOXMAP has been performed and documented in a previous project, but the intern would have latitude to suggest and implement new approaches and designs. Current documentation includes mockups of a proposed UI, an architecture document, preliminary marketing plan, and a project closure report.

The design document includes the system architecture, process flowchart, chemical selection criteria, and partial graphic design. The intern will develop, test and deploy an iOS mobile app of NLM TOXMAP according to the design document using Apple Swift programming language and ArcGIS Runtime SDK.

## Desired Skills Interests

### Skill

Geographic Information Systems (GIS)

iOS app developer

## **Additional Information**

iOS app developer : Must have experience with iOS mobile development with Xcode, programming in Swift 2. GIS or mobile GIS experience is a plus.

## **Language Requirements**

*None*