VT TI  
Blacksburg, VA

**Research Project Title:** Vulnerable Road User App Development Work at the VT Transportation Institute

**Instructor:** Dr. Justin Owens & Andrew Miller

**Description:** We are conducting a project at VTTI and in need of the assistance of programmers with experience in Android app development. The primary project involves development of a mapping application to assist people with physical or mental disabilities, and may include an AR component. There will be opportunities for students to be involved in presentations at University Transportation Center (UTC)-funded symposia, as well as the potential for publication opportunities.

**Minimum Qualifications:**

- Experience with Android Studio
- Experience with database design calls & structure
- Experience programming in Java and XML and making applications for Android
- CS 3714 Mobile Application Development course

**Preferred Qualifications:**

- Experience making Android navigation applications using Google Maps API, Mapbox or other routing API's
- Experience with SQL queries andpostgresql database management
- Experience with Firebase
- Experience with PostGis, or working with OpenStreetMap data, and GIS classes or related experience working with databases

**Pay:** $14/hr

**Other Information:** Position starts May 2018 and will continue through the summer and school year, with the possibility of being extended in 2019. We prefer if you could begin before the end of the current semester, but may also consider qualified applicants who can’t start until the fall. Requires a minimum of 10 hours a week, up to 20 hours (some additional flexibility during summer).

**Contact:** Dr. Justin Owens, jowens@vtti.vt.edu, VTTI