



**NC STATE UNIVERSITY**

## **BICYCLE AND PEDESTRIAN PROGRAM**

**GIS Intern Opportunity / NCSU Centennial Campus**

### **DESCRIPTION**

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The Institute for Transportation Research and Education's Bicycle and Pedestrian Program is seeking an actively enrolled NCSU Student to provide support to ongoing research initiatives. A qualified individual will be detail-oriented, organized, and have an interest in bicycle and pedestrian transportation. The student will gain hands-on experience working on a transportation-oriented GIS project. The responsibilities of this position include working with geospatial data on bicycle, pedestrian, and shared use path networks within North Carolina. Other projects may include work with conducting field surveys, technical writing, and providing additional research support to the Bicycle and Pedestrian Program at ITRE. Skills and knowledge to be gained include: knowledge of statewide bicycle and pedestrian projects and programs, familiarity with non-motorized terminology, experience with non-motorized data collection, and exposure to innovative research. You will have the benefit of gaining project experience and working side-by-side with knowledgeable program staff on an important statewide project.

### **REQUIREMENTS**

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Essential:

- Working knowledge of ArcGIS using ArcMap to edit and append spatial data.
- Attention to detail and the ability to track received data from multiple contacts in MS Excel.
- Ability to download and store files using a defined hierarchical file system.
- Detail-oriented
- Familiarity with facility terminology common to shared use paths, bicycle and pedestrian modes.
- Strong interpersonal and organizational abilities.
- Desire to learn and apply new GIS skills.
- Interest in bicycle and pedestrian transportation.

Helpful, but not required:

- cursory knowledge of ArcCatalog to check attributes data for the type and quality of GIS shapefiles received. For the appropriate candidate, these skills can be taught on the job.
- Knowledge of using WinZip to extract files.
- Track record of working well on team projects.
- Technical writing skills.

### **POSITION DETAILS**

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This is a paid opportunity which offers flexible scheduling for approximately 10-15 hours per week on NCSU Centennial Campus in Raleigh, NC. The opportunity is for approximately 6 months with the possibility for extension, depending on program needs. Please send a letter of interest and tailored resume (include expected graduation date and relevant coursework) to Program Research Associate Kristy Jackson at [knjackso@ncsu.edu](mailto:knjackso@ncsu.edu) by July 24, 2015. The anticipated starting date is August 10, 2015.

In your letter please describe:

- Your interest in the internship.
- What specific skills you can contribute to the internship
- How previous job experience, coursework, extra-curricular activities or volunteer work relates to the position description.

Posting Date: June 30, 2015