



## **Internship Opportunity**

### **Remote sensing and GIS**

**The Michigan Tech Research Institute (MTRI, [www.mtri.org](http://www.mtri.org)), located in Ann Arbor, is currently seeking an Intern for our Environmental Sciences Lab.**

Qualified candidates must have the following skill set:

- Experience with major remote sensing and GIS software, such as ERDAS Imagine, ENVI, Definiens Developer, and ESRI ArcGIS is preferred.
- Familiarity with spatial concepts, including the workflow of preparing and analyzing remotely sensed imagery, is preferred.
- Skills with editing publications, preparing reports, and cartographic production are preferred.
- Experience with web page editing is preferred.
- Currently pursuing or recently received a Bachelor's degree, with preference to those in environmental/earth science, electrical or environmental engineering, or computer science.
- Comfortable working within a Windows PC environment and be familiar with MS Office (Word, Excel, Access, and PowerPoint). Linux experience is helpful.
- Experience with programming (such as C#, VB.NET, MATLAB) would be helpful.
- Familiarity with statistical analysis software (R, SPSS, JMP) is helpful.
- Ability to obtain DoD security clearance.

**Responsibilities Include:** Support of research projects within the Institute. These projects include research related to assessment and mapping of land use in Michigan, forest fire monitoring and mapping with GIS and remote sensing imagery, studies related to management of natural resources on the North Slope of Alaska and the Bering Glacier, environmental planning for transportation, and others. Day-to-day tasks will be diverse. The successful candidate would be expected to help with image data downloads, image conditioning and analysis, GIS-based analysis, report preparation, web portal support, and other tasks related to research and analysis of remote sensing data. The candidate must be self-motivated, with excellent communication skills (written and oral), strong organizational ability and attention to detail. The candidate must be able to work independently as well as in a team environment.

**Duration:** Semester-Based / **Approximate Hours Per Week:** 20-40

#### **To be eligible for an internship, you must:**

- Be a student in good standing at an accredited college or university
- Be majoring in a field appropriate to the job opening
- Have a minimum grade point average of 3.0 on a 4.0 scale, or equivalent
- Be a U.S. citizen

**Interested candidates please apply by contacting:**

**Colin Brooks, [colin.brooks@mtu.edu](mailto:colin.brooks@mtu.edu) or 734-913-6858**



Additional statements:

The qualifications and specifications mentioned above are intended to indicate the kinds of tasks and levels of work difficulty that will be required of positions that will be given this title and shall not be construed as declaring what the specific duties and responsibilities of any particular position shall be. It is not intended to limit or in any way modify the right of any supervisor to assign, direct, and control the work of employees under his/her supervision. The use of a particular expression or illustration describing duties shall not be held to exclude other duties not mentioned that are of similar kind or level of difficulty. The position will be filled based on qualifications regardless of Race, Color, Disability, Religion, Sex, Sexual Orientation, National Origin, Height, Weight, Age, Veteran or Marital Status.

Michigan Technological University is an equal opportunity educational institution/equal opportunity employer. Minorities and women are encouraged to apply.