

MRCC Summer Student GIS Climate Intern

Position: Student Hourly

Salary: \$12/hour; 40 hours/week

Availability: May 29, 2018-August 17, 2018

Primary Function of Position: To serve in a support role within the service and research-based environment at the Midwestern Regional Climate Center (MRCC) with GIS assistance involving historical climate data.

Duties & Responsibilities: This position is designed to expose the student intern to the range of GIS and climate service needs of the MRCC. The intern will assist MRCC climate scientists and GIS specialists with the modifications and development of tools that present historical climate information within a spatial framework. They will apply their knowledge of GIS, computational skills, and physical science principles to assist in the MRCC's goals to present climate information in a useful and usable manner. Additional duties may include performing quality control analyses on historical climate data and filling climate data requests. Ability to communicate effectively within a team environment is required.

Education

Required: At least 6 college-level credits in GIS science and techniques and at least 6 college-level credits in a physical science discipline

Preferred: At least 9 college-level credits in GIS science and techniques, at least 3 college-level credits in computer programming, and at least 9 college-level credits in an atmospheric science discipline

Experience

Required: Using GIS to read and create spatial data (feature and raster); Using GIS to create visualizations of spatial data; Experience working with historical climate data

Preferred: Using scripts and programming languages to read scientific data that can be presented based upon user-defined parameters; Using geoprocessing tools to create derived spatial data

Knowledge

Required: ArcGIS Desktop / ArcGIS Pro, basic climate science

Preferred: Python scripting, HTML & JavaScript, ArcGIS for Server, ArcGIS Online

Contact Information: Letters and resumes submitted electronically via email must include the applicant's last name as part of the file name. Interested applicants should email cover letter and resume no later than [Tentative: March 2, 2018], to:

Beth Hall, Director

MRCC Illinois State Water Survey

bethhall@illinois.edu