

MRCC Summer GIS Climate Intern

Position: Student Hourly

Salary: \$12/hour 40 hours/week

Availability: May 22, 2017-August 11, 2017

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 working with 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, basic climate science

Preferred: ArcGIS Server, Python scripting, HTML, and JavaScript

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 March 26, 2017, to:

Beth Hall, Director MRCC
Illinois State Water Survey
bethhall@illinois.edu

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