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## **iUtah EPSCoR Undergraduate Summer Internship**

**Institution/Company:** Utah Geological Survey (UGS)

**Department:** Geologic Hazards Program

**Contact person:**

Name: Steve Bowman

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**Project Description:**

This internship position will support geologic-related database and web application development on several existing and new projects at the Utah Geological Survey (UGS, <http://geology.utah.gov>). The student will work in a team with another computer science student in continuing development of a geologic sample and information database and web interface, paleontological (fossil) locality database and web interface, a geologic hazards emergency response technical clearinghouse (database and web/social media interface that supports collection of scientific information after a major geologic event, such as an earthquake or landslide), imagery data (database and web/windows interfaces to manage our aerial imagery collection, <http://geology.utah.gov/databases/imagery/>), and our groundwater data portal (database and web interface of monitoring well data, <http://geology.utah.gov/databases/groundwater/projects.php>). Some additional customization of our GeoData Archive System (<https://geodata.geology.utah.gov>) may also be performed. The selected student will work hands-on with these databases and web interfaces that are used daily by the UGS, its partners, industry, and the public.

**Required Skills & Experience:**

- Education/experience in Computer Science with PHP/CodeIgniter, MySQL, Microsoft SQL Server 2008, C#, Java, Apache, and Adobe Flash in Windows Server and Linux environments is needed.

**Duration/Dates of Internship:** The position will be 15-25 hours a week during the school year, and then 40 hours a week in May and June, 2013, and will likely continue through the summer and into the next school year.

**Intern status:** Full time (summer) and part time (during school year).

**Wages:** The hourly rate is \$14.03/hour. Work schedule can be flexible to fit school commitments, with work Monday to Friday between 6a and 6p possible. The State of Utah can only hire U.S. Citizens, or those authorized to work in the U.S. (valid green card).