

Specialist Position in the Soil Resource Laboratory

The mission of the Soil Resource Lab is to repackage National Cooperative Soil Survey data into user friendly online apps and decision support tools. The lab is seeking a highly qualified applicant to manage our complex digital soil survey database, construct and upkeep soil survey apps and create online interactive maps to support land use decision making.

The nature and purpose of this position is to maintain existing apps and develop new soil survey apps for the California Soil Resource Lab. This position will interface with the Lab's nationwide soil survey database using knowledge of all the necessary code to make the apps communicate seamlessly. These skills include expertise in Apache HTTP Server, HTML, JavaScript to work with MapServer and JavaScript Libraries. This position will also provide GIS expertise to make maps and construct complex queries of digital soil survey data and other spatial datasets.

QUALIFICATIONS

1. Demonstrated expertise in development of interactive apps and online maps using MapServer, Javascript, HTML;
2. Database query and management skills in PostgreSQL and PostGIS;
3. Demonstrated ability to create databases and user interfaces to these data for public uses;
4. A M.S. in Geography or related field or a minimum of 5 years of GIS experience;
5. A minimum of 5 years' experience using digital soil survey data in a GIS to create complex data queries and maps.

TO APPLY: To apply, please go to the following link: [<https://recruit.ucdavis.edu/apply/JPF01419>]. Applicants should submit cover letter indicating how you meet the qualifications, your most recent CV and 3 letters of recommendation. Documents/materials must be submitted as PDF files. Apply by February 2nd, 2017.

QUESTIONS: Please direct questions to Denise Petkus via email to [metroexec@ucdavis.edu]

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[<http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>]

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UC Davis is a smoke & tobacco-free campus [(<http://breathefree.ucdavis.edu/>)].

If you need accommodation due to a disability, please contact the recruiting department.