

Field Engineer (7120U) 1645 - 1645
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=130742>

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Posted Oct. 4, 2019, set to expire Jan. 31, 2020

Job Title	Field Engineer (7120U) 1645 - 1645
Department	Berkeley Seismological Laboratory
Institution	University of California Berkeley Berkeley, California
Date Posted	Oct. 4, 2019
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Research/Technical/Laboratory Facilities/Maintenance/Transportation
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Apply By Email

Job Description

Field Engineer (7120U) 1645 - 1645
About Berkeley

The University of California, Berkeley, is one of the world's most iconic teaching and research institutions. Since 1868, Berkeley has fueled a perpetual renaissance, generating unparalleled intellectual, economic and social value in California, the United States and the world. Berkeley's culture of openness, freedom and acceptance academic and artistic, political and cultural make it a very special place for students, faculty and staff.

Berkeley is committed to hiring and developing staff who want to work in a high performing culture that supports the outstanding work of our faculty and students. In deciding whether to apply for a staff position at Berkeley, candidates are strongly encouraged to consider the alignment of the Berkeley Workplace Culture with their potential for success at

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[url=https://apptrkr.com/get_redirect.php?id=1648045&targetURL=http://jobs.berkeley.edu/why-berkeley.html]http://jobs.berkeley.edu/why-berkeley.html.

Application Review Date

The First Review Date for this job is: September 29, 2019

Departmental Overview

Standing nearly on top of the Hayward Fault, the Berkeley Seismological Laboratory (BSL) provides robust hazard information while engaging in essential geophysical research. Throughout the BSL's long history of innovation, beginning with the 1897 installation of the first seismograph in the western hemisphere, our commitment to probing the Earth's deepest secrets has remained unchanged.

BSL operates a network of unmanned geophysical observatories throughout Northern California and Southern Oregon. These seismic or geodetic observatories send near real time data to our datacenters and are used for research purposes and a new earthquake early warning system called ShakeAlert.

The selected engineer will be expected to: 1) Be involved in the locating, planning, permitting, construction, installation and maintenance of new and existing observatories; 2) Ensure that produced data is being telemetered properly and data meets quality specifications; 3) troubleshoot and repair complex issues at remote observatories.

BSL Employees routinely interact with the public and are required to exhibit a high level of professionalism and judgement. This includes interfacing with public and private property owner and various stakeholders in the public and private sectors.

The position involves overnight travel up to 50% of the time.

Responsibilities

* Locate, permit, construct and install new seismic monitoring and geodetic observatories and maintain and correct deficiencies with existing sites. This involves interacting with the public and various public and private stakeholders. Review area using various online software platforms. Interact with land owner and negotiate agreement for land use. Meet with contractors, provide building materials, identify construction location and approve minor changes to design/construction. Installing sites involves deploying sensors, data loggers, installing other equipment such as, radios, routers, cellular modems, and programming these devices for operations. Travel with co-workers or alone to remote field sites.

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Installing new monitoring observatories with co-worker over the course of multiple days in remote conditions. Ensure to follow safety protocols set by safety team, site notes, and supervisor direction. These responsibilities include exercising independent judgement and decision making.

* Prepare for field work by testing equipment, gathering supplies, loading field vehicles, and handling complex logistical issues. Before any installation, test sensors, data loggers, routers, and other equipment and prepare them for Quality Control with department researchers. Determine mode of failure with equipment and repair or return for repairs. Determine and purchase necessary field supplies for field site visit. This involves researching and selecting appropriate equipment according to site needs/requirements. Stage, pack and load vehicles. Ensure vehicles are in good working order. During a field site visit, sourcing failed equipment, repair sensors, scheduling shipments to remote locations while meeting deadlines.

* Troubleshoot and repair analog and digital circuits, radio and telemetry systems, power systems (AC (up to 480V) and DC), analog sensors (seismometers), data loggers and other peripheral equipment. This includes aligning and orienting sensors, and configuring networked equipment. These repairs are done in the lab or in remote field settings.

* Document all field activities and work that was completed remotely. This involves updating field logs with site issues, equipment repairs or replacement, site and owner information, and station characteristics. Excellent written communication is required.

* Work within a team to identify deficiencies and solve complex problems related to BSL network. Attend and contribute to regular team meetings. Suggest solutions for site improvement and repairs. Participate in process improvement discussions. Provide engineering information advice to internal and external Principal Investigator and/or other faculty and research personnel.

* Other duties as assigned.

Required Qualifications

* Thorough knowledge associated with independently performing the full range of engineering professional design work. Thorough knowledge necessary to apply principles, practices and procedures in the completion of assignments. Demonstrated organizational and decision-making abilities to prioritize competing work assignments in order to meet deadlines and adherence to quality standards. Strong analytical and judgment skills to independently conduct analyses and develop appropriate recommendations. Effective written and verbal communication and presentation skills. Ability to work in a collaborative manner; identify challenges and barriers and recommend resolutions. Ability to lead and influence others. Knowledge of AC and DC power systems, analog and digital circuits, telemetry and radio systems Knowledge of Linux, Unix, Mac OS, and Windows operating systems and associated applications Strong analytical skills and the ability to solve complex problems Ability to manage multiple tasks and projects and demonstrate good time management skills Bachelor's degree in related field (engineering, physics, computer science, etc.) and/or equivalent experience/training

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Salary & Benefits

This is an exempt, monthly paid position. Annual salary is commensurate with experience within the range of \$75,400 - \$85,000.

For information on the comprehensive benefits package offered by the University visit:

[url=https://apptrkr.com/get_redirect.php?id=1648045&targetURL=http://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html]http://ucnet.universityofcalifornia.edu/compensation-and-benefits/index.html

How to Apply

Please submit your cover letter and resume as a single attachment when applying.

Driving Required

A valid driver's license and DMV check for driving record is required.

The position involves overnight travel up to 50% of the time.

Equal Employment Opportunity

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or protected veteran status. For more information about your rights as an applicant see:

[url=https://apptrkr.com/get_redirect.php?id=1648045&targetURL=http://www.eeoc.gov/employers/upload/pos

For the complete University of California nondiscrimination and affirmative action policy see:

[url=https://apptrkr.com/get_redirect.php?id=1648045&targetURL=http://policy.ucop.edu/doc/4000376/Nondis

To apply, visit

[url=https://apptrkr.com/1648045]https://careerspub.universityofcalifornia.edu/psp/ucb/EMPLOYEE/HRMS/c/H

Contact Information

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Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

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