

Systems Administrator 3 (4471C), Space Sciences
Laboratory - 76324
University of California, Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=253632>

Downloaded On: Feb. 24, 2025 5:16pm

Posted Feb. 24, 2025, set to expire Jun. 30, 2025

Job Title	Systems Administrator 3 (4471C), Space Sciences Laboratory - 76324
Department	Space Sciences Laboratory
Institution	University of California, Berkeley Berkeley, California
Date Posted	Feb. 24, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Information Technology
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Apply By Email

Job Description

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Systems Administrator 3 (4471C), Space Sciences Laboratory - 76324

About Berkeley

At the University of California, Berkeley, we are dedicated to fostering a community where everyone feels welcome and can thrive. Our culture of openness, freedom and belonging make it a special place for students, faculty and staff.

As a world-leading institution, Berkeley is known for its academic and research excellence, public mission, diverse student body, and commitment to equity and social justice. Since our founding in 1868, we have driven innovation, creating global intellectual, economic and social value.



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We are looking for applicants who reflect California's diversity and want to be part of an inclusive, equity-focused community that views education as a matter of social justice. Please consider whether your values align with our [Guiding Values and Principles](#), [Principles of Community](#), and [Strategic Plan](#).

At UC Berkeley, we believe that learning is a fundamental part of working, and provide space for [supportive colleague communities via numerous employee resource groups](#) (staff organizations). Our goal is for everyone on the Berkeley campus to feel supported and equipped to realize their full potential. We actively support this by providing all of our full-time staff employees with at least 80 hours (10 days) of paid time per year to engage in professional development activities. Find out more about how you can [grow your career](#) at UC Berkeley.

Departmental Overview

The Space Sciences Laboratory (SSL) serves the University of California as one of the preeminent space research units in the country. Its projects, programs and 300+ scientists and staff are funded by \$300+ million of primarily Federal contracts and grants. To support the broad range of research activities, the Lab utilizes a rich set of information technology resources cross three buildings, including: the UCB/SSL Mission Operations Center (UCB-MOS) connected directly to the NASA network; the Berkeley Ground Station (BGS) for sending and receiving satellite telemetry, complete with an onsite 11-meter satellite dish; a server collocation facility containing most of the Lab's science computational servers and data storage with 200 terabytes of online capacity; an enterprise-level data backup service with secure, offsite tape storage; a combination of more than 700 Linux, Windows and Macintosh servers, workstations and laptops; and a private wireless and wired network interconnecting all these resources, as well as connecting the Lab to Campus and the world.

Position Summary

Under the direction of the SSL IT Director, this position works personally with the Researchers and the UCB Mission Operations System (UCB-MOS) to develop and manage departmental computing assets, providing the necessary computing infrastructure support for all research projects and space satellite operations. This position provides direct and indirect Linux systems administration, application programming, IT security, and Cloud infrastructure support to the department's faculty, staff, students, research projects, and the UCB-MOS.

Application Review Date

The First Review Date for this job is: March 6, 2025

Responsibilities

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- Linux Systems Administrator
- Shared responsibility for the installation, configuration, security and maintenance of our UNIX systems.
- Troubleshoot server hardware and software errors.
- Install new system hardware.
- Respond to user support requests.
- Monitor the server performance and network security.
- Writes and maintains systems documentation.
- Application programming, security and maintenance
- Debug existing science research software with limited comments or documentation.
- Develop and debugging security patches for such programs.
- Assist scientists and staff creating new web, cloud or client science programs.
- Writes and maintains systems documentation.
- VMware Vsphere cluster administration
- Enterprise network and firewall administration, including security monitoring

Required Qualifications

- Must be able to communicate technical and non-technical information in a clear and concise manner with staff of varying levels of technical expertise, both orally and written.
- At least 5 years Red Hat Enterprise Linux system administration experience, including demonstrated experience deploying and troubleshooting TCP/IP, NFS, SMB, DNS/DHCP, Apache HTTP and other network services.
- Advanced knowledge of computer security best practices and policies including demonstrated experience with server-based security software.
- Demonstrated experience with programming Java, C, or C++; Perl, Python and PHP; awk/gawk and Linux shell scripting; and MySQL/MariaDB. Must have experience building and debugging websites with HTML and JavaScript.
- U.S. Person - a natural person who is a lawful permanent resident as defined in 8 U.S.C. 1101(a)(20) or who is a protected individual as defined by 8 U.S.C. 1324b(a)(3). It also means any corporation, business association, partnership, society, trust, or any other entity, organization or group that is incorporated to do business in the U.S. It also includes any governmental (federal, state or local), entity.

Education / Training Requirements

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Bachelor's degree in related area and / or equivalent experience / training

Preferred Qualifications

- Experience with cloud computing and storage infrastructure.
- Experience installing and maintaining VMware Vsphere.
- Experience installing and maintaining Juniper and Cisco enterprise network and security hardware.
- Windows and Macintosh system administration experience.
- Experience programming with IDL.

Salary & Benefits

This is a 100% full-time (40 hrs a week) exempt career position, which is paid monthly and eligible for UC Benefits.

For information on the comprehensive benefits package offered by the University, please visit the University of California's [Compensation & Benefits](#) website.

Under California law, the University of California, Berkeley is required to provide a reasonable estimate of the compensation range for this role and should not offer a salary outside of the range posted in this job announcement. This range takes into account the wide range of factors that are considered in making compensation decisions including but not limited to experience, skills, knowledge, abilities, education, licensure and certifications, analysis of internal equity, and other business and organizational needs. It is not typical for an individual to be offered a salary at or near the top of the range for a position. Salary offers are determined based on final candidate qualifications and experience.

The full range for this position is \$85,800.00-\$158,200.00 The budgeted salary or hourly range that the University reasonably expects to pay for this position is \$85,800.00-\$122,000.00.

How to Apply

- To apply, please submit your resume and cover letter.

Other Information

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This position is governed by the terms and conditions in the agreement for the Technical Unit (TX) between the University of California and the University Professional and Technical Employees (UPTE). The current bargaining agreement manual can be found at:

<http://ucnet.universityofcalifornia.edu/labor/bargaining-units/tx/index.html>

- This is not a visa opportunity.
- This recruitment has 1 opening.

Conviction History Background

This is a designated position requiring fingerprinting and a background check due to the nature of the job responsibilities. Berkeley does hire people with conviction histories and reviews information received in the context of the job responsibilities. The University reserves the right to make employment contingent upon successful completion of the background check.

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, please see the https://apptrkr.com/get_redirect.php?id=6026740&targetURL=U.S. Equal Employment Opportunity Commission poster.

The [University of California's Affirmative action policy](#).

The [University of California's Anti-Discrimination policy](#).

To apply, visit

https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS.CG_S

Contact Information

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

Contact

N/A

University of California, Berkeley

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