AV IT Engineer 3 (7351U) Job 74599 - Department of Electrical Engineering and Computer Sciences (EECS)
University of California, Berkeley

Job Title	AV IT Engineer 3 (7351U) Job 74599 - Department of Electrical Engineering and Computer Sciences (EECS)
Department	Electrical Engineering and Computer Sciences
Institution	University of California, Berkeley
	Berkeley, California
Date Posted	Jan. 16, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Information Technology
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Job Description	

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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.

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 Department of Electrical Engineering and Computer Sciences (EECS), in both the College of Engineering and the College of Computing, Data Science, and Society (CDSS) is the largest academic department on the Berkeley campus, consisting of over 130 faculty, active emeriti, professors-in-residence, and adjunct professors, 3600+ undergraduates in both Engineering and CDSS, 750+ graduate students, and 60+ staff. EECS programs are consistently ranked in the top three by many measures, including U.S. News & World Report's national and global ranking. Annual operating budget (not including expenditures related to research. faculty start-ups, and student fellowships) for EECS is $40+ million.

The Department is actively engaged in teaching and research in the disciplines of Artificial Intelligence, Computational Biology, Databases, Graphics, Hardware / Architecture, Human Computer Interaction, Operating Systems / Networking, Programming Systems / Software, Scientific Computing, Theory, Vision (in Computer Science) as well as Biosystems, Communication/Networking, Communications/Physical Layer, Control, Design, Modeling, and Analysis, Electromagnetics/Antennas, Integrated Circuits, Optics, Physical Electronics Devices, Physical Electronics/MEMS, Optoelectronics, Energy, Robotics, Signal Processing for Image & Video, Signal Processing for Speech & Audio (in Electrical Engineering). Computer Science operates research and instructional laboratories in Soda Hall, Sutardja Dai Hall, and other off-campus sites, and Electrical Engineering operates similar facilities in Cory Hall, Sutardja Dai Hall, and other off-campus sites. EECS also has a significant technical staff support structure to provide support for research and instructional laboratories and fabrication facilities.

The AV IT Engineer 3 role involves applying user-centered design processes, industry standards,

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engineering, or best practices to create, evaluate and modify designs and prototypes in support of audio visual (AV) systems design. Creates plans and specifications for highly detailed, complex AV IT projects based on clients' needs aligning design with codes, regulations and AV IT engineering best practices. The incumbent communicates to client and monitors projects, as well as creates documentation and specifications for third party installation teams and verifies installation work. This individual coordinates with other construction engineering teams, participates in building meetings and coordinates inspections.

Application Review Date

The First Review Date for this job is: 12/5/24 - Open Until Filled.

Responsibilities

25% - Assists in design and troubleshooting on AV systems by applying AV/IT engineering principles using current AV standards and brands. Manages a full range of complex AV IT projects from initial client contact through design, engineering, final installation and system commissioning. Assists in responding to change requests, requests for information (RFI), submittals and other key project-related documents and reports.

20% - Assists in designs facilities and systems based on needs, applicable codes and regulations and AV principles and best practices. Creates detailed drawings and proposals in Google Suite or applicable software to include AV flow diagrams, schematics and AV infrastructure drawings. Maintain and create work scope including documentation, drawings and schematics needed by client. Verifies phases or components of systems designed are installed to plan specifications and communicates assessment to client with suggested remediation if needed.

20% - Conducts product research and provides recommendations including approaches, trends, sources and uses that have a significant impact on individual or multiple departments. Assists in reviewing and estimating schedules and design phrases including equipment, installation, labor, materials and other related costs. Good organization skills, maintains and keep track of existing inventory of equipment, media production footages and equipment and also maintain inventory levels on cables and parts use.

15% - Support events that may fall outside of regular hours. Be flexible with scope of work; familiar with operating of AV equipment that are used for in live streaming and conferencing software like Zoom.

10% - Produce video created based on needs, such as to promote the department's needs. Be flexible

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to deliver on time even on a short notice.

10% - Work with team members in support of instruction labs as needed. Be able to apply engineering skills to assist in any instructional needs.

Required Qualifications

- Strong knowledge of AV IT design and field implementation.
- Strong creativity and problem-solving abilities to apply principles, practices and procedures within discipline to complete difficult assignments.
- Demonstrated ability to create AV flow diagrams, schematics and AV infrastructure drawings.
- Demonstrated knowledge of applicable codes and regulations and ability to provide technical advice based on sound understanding of AV principles and practice.
- Demonstrated experience managing phases of AV projects including obtaining scope, budget, planning, design, bid preparation, installation, inspection, testing and final walk through.
- Ability to test and operate installed AV IT equipment.
- Knowledge of audio, video and control systems as well as architectural and cabling requirements.
- Knowledge of electronics theory with emphasis on audio, video and communications circuitry, AV IT control systems and signal flow.
- Knowledge of acoustic design theory.
- Excellent attention to detail.
- Demonstrated effective communication and interpersonal skills.
- Demonstrated ability to communicate technical information to technical and non-technical personnel at various levels in the organization.
- Demonstrated ability to work with others from diverse backgrounds.
- Self-motivated and works independently and as part of a team. Demonstrates problem-solving skills. Able to learn effectively and meet deadlines.
- Bachelor's degree in related area and / or equivalent experience / training.

Preferred Qualifications

- Professional certification in related field preferred.

Salary & Benefits

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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 budgeted salary or hourly range that the University reasonably expects to pay for this position is $72,600 - $100,800.

Referral Source Info

This job is part of the Employee Referral Program. If a UC Berkeley employee is referring you, please ensure you select the **Referral Source** of "*UCB Employee*". Then enter the employee's **Name**and **Berkeley email** address in the **Specific Referral Source** field. Please enter only one name and email.

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 U.S. Equal Employment Opportunity Commission poster.

The University of California's Affirmative action policy.

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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 applying for or inquiring about this job announcement.

Contact

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University of California, Berkeley

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