Application Programmer 4 (0652U) Job 70356 - Berkeley
Institute for Data Science (BIDS)
University of California, Berkeley

Job Title	Application Programmer 4 (0652U) Job 70356 - Berkeley Institute for Data Science (BIDS)
Department	
Institution	University of California, Berkeley Berkeley, California
Date Posted	Jun. 20, 2024
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 committed to creating a community that fosters equity of experience and opportunity, and ensures that students, faculty, and staff of all backgrounds feel safe, welcome and included. Our culture of openness, freedom and belonging make it a special place for students, faculty and staff.

The University of California, Berkeley, is one of the world's leading institutions of higher education, distinguished by its combination of internationally recognized academic and research excellence; the

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transformative opportunity it provides to a large and diverse student body; its public mission and commitment to equity and social justice; and its roots in the California experience, animated by such values as innovation, questioning the status quo, and respect for the environment and nature. Since its founding in 1868, Berkeley has fueled a perpetual renaissance, generating unparalleled intellectual, economic and social value in California, the United States and the world.

We are looking for equity-minded applicants who represent the full diversity of California and who demonstrate a sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds present in our community. When you join the team at Berkeley, you can expect to be part of an inclusive, innovative and equity-focused community that approaches higher education as a matter of social justice that requires broad collaboration among faculty, staff, students and community partners. In deciding whether to apply for a position at Berkeley, you are strongly encouraged to consider whether your values align with our Guiding Values and Principles, our Principles of Community, and our Strategic Plan.

At UC Berkeley, we believe that learning is a fundamental part of working, and 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 staff employees with at least 80 hours (10 days) of paid time per year to engage in professional development activities. To find out more about how you can grow your career at UC Berkeley, visit grow.berkeley.edu.

Departmental Overview

The Berkeley Institute for Data Science (BIDS - https://bids.berkeley.edu) was founded in 2013 to build on Berkeley's strength in data science with a multidisciplinary emphasis. BIDS aims to facilitate and enhance the development and application of cutting-edge data science techniques in the biological, physical, social and engineering sciences. Today, BIDS is part of the new College of Computing, Data Science and Society (CDSS), where it serves as a hub for interdisciplinary research, tool development, and exchange of ideas between methodologies in computing, statistics and AI. BIDS connects with domain experts from across the entire disciplinary spectrum on campus, and hosts collaborations with local and national partners, including Lawrence Berkeley National Lab and NASA in the unique intellectual ecosystem of Berkeley.

The incumbent will be involved in the development of server / OS / desktop / mobile applications and services including researching, designing, developing specifications for designing, writing, modifying, testing, debugging, troubleshooting and maintaining source code. The qualified individual will also have direct or related involvement in designing related databases, user interfaces, integration to other

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systems / applications, content or multimedia processes. Work includes analysis and design to post-production processes, quality assurance, maintenance and documentation.

Application Review Date

The First Review Date for this job is: 7/1/24 - Open until filled

Responsibilities

60% Applies advanced software concepts to plan, design, develop, modify, debug, deploy and evaluate highly complex database structure for functional areas. Develops and applies an in-depth understanding of scientific research requirements, community standards, and leadingindustry practices. Develops and coordinates project plans including project roadmapsand leads the development of a long-term, community vetted plan for the CLEAN Initiative.

20% Performs or directs highly complex data modeling, performance and integration testing and builds interfaces. Performs sophisticated data and systems analysis to identify concerns with the ecosystem of tools as a whole, and works directly with the research and open source development community to address those. Initiates and oversees changes in development, maintenance, and documentation standards. Investigates and helps determine specifications for cross-project integration and data sharing.

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Required Qualifications

- Advanced knowledge of secure software development.
- Highly advanced skills associated with software specification, design, modification, implementation and deployment of large-scale scope.
- Excellent project leadership and management skills.
- Demonstrated ability to understand functional needs and how systems can support those needs.
- Demonstrated ability to develop conversion and system implementation plans.
- Advanced experience with identification and use of code libraries and open-source forums.

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- Advanced experience with planning for deployment and creation of feedback mechanisms.
- Demonstrated software repository skills.
- Experience developing and executing complex test plans.
- Demonstrated effective communication and interpersonal skills.
- Demonstrated ability to communicate technical information to technical and non-technical personnel at various levels in the organization.
- Self-motivated and works independently and as part of a team.
- Able to learn effectively and meet deadlines.
- Demonstrated complex problem- solving skills.
- Bachelor's degree in related area and / or equivalent experience / training.

Salary & 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 budgeted salary or hourly range that the University reasonably expects to pay for this position is $85,000 - $120,000.

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

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The University of California's Affirmative action policy.

The University of California's Anti-Discrimination policy.

To apply, visit
https://careerspub.universityofcalifornia.edu/psp/ucb/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCH

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Contact Information

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Contact

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