

CAL POLY HUMBOLDT



Research Architect

Information Technology Services

Job #22-40

Open Until Filled

Close Date: Monday, April 25, 2022

(Job #22-40) Research Architect, Network Analyst – Career, Salary Range \$4,372 - \$10,792 monthly. Appointments are typically made at the beginning of the salary range. This is a full-time, benefited, 12-month pay plan, permanent position with a one-year probationary period in Information Technology Services. It is anticipated that this position may be subject to telecommuting one or more days per week. This position comes with an extensive benefits package that includes comprehensive medical, dental, and vision coverage, CalPERS retirement, Fee Waiver eligibility (reduced tuition on most CSU system classes), life insurance, and voluntary pre-tax health and dependent care reimbursement accounts. Additional benefits information can be found at <https://hraps.humboldt.edu/employee-benefits>.

Now is an exciting time to join Information Technology Services (ITS) as we transition to Cal Poly Humboldt! Cal Poly Humboldt has been named the state's third polytechnic institution and the first in Northern California. Backed by a historic state investment, we're adding in-demand new academic programs, building new facilities, and growing our enrollment. Cal Poly Humboldt is a Hispanic-Serving Institution that strives to foster an inclusive and equitable community to support our students of diverse backgrounds. We are committed to achieving the goals of equal opportunity and endeavors to employ faculty and staff of the highest quality committed to working in a multicultural and multiracial community that reflects the diversity of the state. Additional information about Cal Poly Humboldt can be found at www.humboldt.edu.

Position Summary: Come join the Cal Poly Humboldt Transformation!

Cal Poly Humboldt invites applicants for the position of Research Architect, which will be primarily responsible for the implementation and operation of a new Science Network for the campus. A high-speed, low-latency network, this will connect multiple campus research facilities with other California State universities, the Pacific Research Platform, and international partner campuses. Part of maintaining that network will include building and operating high-capacity storage solutions and secure gateways which allow access to research data from the commodity network. This position will also assist faculty in finding and navigating research computing solutions, both local and cloud based.

Key Responsibilities:

- Coordinate the Cal Poly Humboldt Science Network, including switches, routers, and purpose-built storage devices
- Work with Information Technology Services staff and campus faculty to identify and support a variety of research use cases
- Support wireless connectivity for research locations, both on and off campus
- Analyze traffic patterns, provide reporting of usage, capacity and load
- Support connectivity to the university's ocean research vessel

Minimum Qualifications:

To enter this classification, a basic foundation of knowledge and skills in technical, information network systems is a prerequisite. This foundation would normally be obtained through a bachelor's degree in computer science, engineering, industrial technology, telecommunications or a related technical field, or equivalent training and experience. Foundation knowledge and skills for the Network Analyst include a basic knowledge of telecommunications and transmission technologies, including network architecture, topologies, protocols, programming applications and interfaces appropriate to the defined work area and assignments. Based on specialized assignments, a position may also require background, and/or licensure if required, in computer operating systems, broadcast network functions, or telecommunication switching systems.

Additional relevant experience can be substituted for equivalent education on a year for year basis.

Required Knowledge, Skills, and Abilities Associate with this Position Include:

- Ability to problem solve, work effectively under time pressure and formulate flexible approaches to problem resolution
- Demonstrated ability to communicate effectively with team members, vendors, and customers
- Strong enterprise troubleshooting skills involving systems, networks, and heterogenous client endpoints
- Demonstrated documentation skills that include process, configuration, topology diagrams, and project planning
- Demonstrated cultural humility, sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds of students, faculty, and staff

Preferred Qualifications:

- Equivalent to Bachelor's degree AND two (2) years full time professional experience providing support in an enterprise environment is preferred.
- Higher Education Experience
- Experience supporting Research Computing
- Experience with CBRS or private LTE networks
- Alcatel, Aruba, and/or Palo Alto Networks experience

Application Procedure: To apply, qualified candidates must electronically submit the following materials via Interfolio (link below):

- Letter of Interest
- Resume or Curriculum Vitae
- Contact information for at least three professional references
- Cal Poly Humboldt Employment History Form (Cal Poly Humboldt Employment History Form: <https://forms.humboldt.edu/employment-history-form>; NOTE: Download the Cal Poly Humboldt Employment

History Form and save it as a PDF file prior to filling it out. If the form is completed in an online browser, content WILL NOT be saved).

CLICK HERE TO APPLY NOW: <http://apply.interfolio.com/105110>

Application Deadline: This position will remain open until filled. The first review date is on Monday, April 25, 2022.

Any inquiries about this recruitment can be directed to careers@humboldt.edu or Cal Poly Humboldt's Human Resources Office at (707) 826-3626.

Cal Poly Humboldt sits on the traditional homelands of the Wiyot people in what is currently called Arcata, CA. The Wiyot people call the area Goudi'ni (over in the woods). Cal Poly Humboldt was the first campus in the California State University system to offer a stand-alone major in Native American Studies.

Cal Poly Humboldt is committed to enriching its educational environment and its culture through the diversity of its staff, faculty, and administration. Persons with interest and experience in helping organizations set and achieve goals relative to diversity and inclusion are especially encouraged to apply.

Cal Poly Humboldt is part of the 23-campus California State University system and one of only three polytechnic universities in the system. The University has a comprehensive arts and sciences curriculum, which is recognized nationally for its high academic quality. Founded in 1913, Cal Poly Humboldt is one of the premier public institutions in the Western United States; it is a rural and residential campus of approximately 7,000 students. The main campus is located in Arcata, California, in the northwestern part of the state along the coast, and situated among redwood trees in an area that offers unmatched scenic beauty, moderate climate, and opportunities for outdoor activities. The surrounding Humboldt County locale has a population of approximately 135,500. The community offers an excellent range of businesses, services, and cultural activities and performances. The local schools are ranked in the top performance percentiles, both nationally and in the state.

Working in the state of California is a condition of employment for this position. Even if part or all of an employee's assignment can be performed remotely, the employee must maintain a permanent residence in the state of California. The employee must be able to accept on-campus work assignment, as assigned, and come to campus when needed.

CSU requires faculty, staff, and students who are accessing campus facilities to be immunized against COVID-19 or declare a medical or religious exemption from doing so. Any candidates advanced in a currently open search process should be prepared to comply with this requirement. The systemwide policy can be found at <https://calstate.policystat.com/policy/9779821/latest/> and questions may be sent to hr@campus.edu.

Cal Poly Humboldt hires only individuals lawfully authorized to work in the United States. In compliance with state and federal crime awareness and campus security legislation, including The Jeanne Clery Disclosure of Campus Security Policy and Crime Statistics Act, California Education Code section 67380, and the Higher Education Opportunity Act (HEOA), the Cal Poly Humboldt Annual Security Report is available at: <https://clery.humboldt.edu/content/annual-security-reports>.

CAL POLY HUMBOLDT IS NOT A SPONSORING AGENCY FOR STAFF OR MANAGEMENT POSITIONS (e.g. H1-B VISAS)

Evidence of required degree(s), certification(s), or license(s) is required prior to the appointment date. Satisfactory completion of a background check (including a criminal records check, employment verification, and education verification) is required for employment. Cal Poly Humboldt will issue a contingent offer of employment to the selected candidate, which may be rescinded if the background check reveals disqualifying information, and/or if it is discovered that the candidate knowingly withheld or falsified information. Certain positions may also require a credit check, motor vehicle report, and/or fingerprinting through Live Scan service. Failure to satisfactorily complete or adverse findings from a background check may affect the employment status of candidates or continued employment of current CSU employees who are being considered for the position.

Cal Poly Humboldt is committed to achieving the goals of equal opportunity and endeavors to employ faculty and staff of the highest quality reflecting the ethnic and cultural diversity of the state. Additional information about Cal Poly Humboldt can be found at www.humboldt.edu.

Cal Poly Humboldt is a Title IX/Affirmative Action/Equal Opportunity employer. We consider qualified applicants for employment without regard to race, religion, color, national origin, ancestry, age, sex, gender, gender identity, gender expression, sexual orientation, genetic information, medical condition, disability, marital status, protected veteran status, or any other legally protected status. Mandated Reporting: This position may be considered a "mandated reporter" under the California Child Abuse and Neglect Reporting Act and is required to comply with the requirements set forth in CSU Executive Order 1083 as a condition of employment.

Additionally, all CSU staff and faculty receive training annually on their obligations in responding to and reporting incidents of sexual harassment and sexual violence. You will be notified by email when you are required to take this mandated training.

Class Code: 0430

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See more photos at [Cal Poly Humboldt's Flickr page](#).