

Technology Specialist
Art & Architecture Library / Visual Resources Center
Stanford University Libraries & Academic Information Resources
First year: 100% FTE

The Art & Architecture Library (AAL) supports the instructional and research programs of Stanford University as they relate to the study of visual culture and the built environment. In particular, AAL supports research and instruction in the Department of Art & Art History, as well as the Architectural Design program of the Department of Civil and Environmental Engineering, the Design Group programs of the Department of Mechanical Engineering, and the Humanities and Area Studies departments. The AAL's Visual Resources Center (VRC) provides an image collection and image production services to support these programs and departments. The VRC has over 300,000 35 mm slides and 50,000 digital images, and is engaged primarily in digital image production. The collection covers all aspects of the study of art and architecture, especially Greek & Roman, European, American, Chinese and Japanese. VRC's ImageBase, an Embark product, is visible campus-wide via SUNet authentication. A growing subset of the ImageBase collection is hosted within ARTstor, and the ImageBase is a primary component of the developing SULAIR Image Collections project. In addition, AAL and VRC are positioning themselves to serve as a significant contributors to the instruction of students and faculty in the use of images in Humanities and Area Studies research and instruction.

Overview

Collaborating closely with the Visual Resources Center (VRC) Curator, who supervises all staff and operations of the VRC, the Technology Specialist (TS) reports directly to the Head of the Art & Architecture Library (AAL). The TS plays a central role in strategic planning and program development in VRC as it works to enhance and expand its existing operation. The TS is responsible for leveraging technologies to achieve efficiencies in the digital production process, to maintain a stable and flexible production platform, and to expand VRC technological and service capabilities to support developing curricular requirements for emerging programs such as AAH's Electronic Media Arts program. The TS assists VRC in exploring the means by which its digital collection development and delivery role might be expanded beyond the traditional imagery associated with art history. In addition, the TS assists the staff of AAL and VRC in planning a multi-media laboratory research and instructional environment as part of AAH's and AAL's planned move from their current location to a new space on campus.

The TS must have a background in the humanities, preferably in Art or Art History, as well as a background in Instructional Technology. The TS will actively encourage and support the use of educational and research technology. The TS will have a proven record of developing technology solutions and teaching others how to employ these solutions, and must have a willingness and interest in working with and creating systems for faculty and students at different levels of technical experience and expertise.

Future projects in VRC which will directly involve the TS include, but are not limited to:

- Developing toolkits that will assist students and faculty in creating their individual image/multi-media collections through a variety of capture methods. These toolkits will support the combination of personal collections with vendor supplied (e.g. ARTstor) and locally produced (e.g. VRC) collections into personal archives for research and teaching.
- Transitioning a pilot program for digitizing materials from AAL Locked Stack collections to an ongoing project. Serve online using Coppermine, VRC ImageBase, and/or SULAIR Image Collections project.
- Continue to investigate image software systems, including the current EmbARK system. Serve as EmbARK database administrator. Analyze various EmbARK features, including possibility of implementing EmbARK keyword feature.
- Finalize project to import and map data from Getty's ULAN and AAT authority lists, as well as investigate utilization of other controlled authority resources for image metadata creation and management.
- Investigate archiving potential for VRC images and metadata in Stanford Digital Repository (SDR).
- Assisting in project to capture, archive, and serve student work in AAH Experimental Media Arts, Documentary Film, and Art Studio programs.
- Developing and implementing widget for Socrates search from EmbARK web kiosk.
- Develop long term strategies to support exporting, mapping, and general readiness of VRC product for ongoing migration into ARTstor and SULAIR Image Collections project.

Specific requirements:

- A baccalaureate degree in the Humanities or Information Technology, plus at least five years experience in academic computing and technology project management, preferably in the Humanities, or the equivalent combination of education and experience.
- Expert digital imaging skills, specifically, expertise with Adobe™ Photoshop.
- Experience developing and managing relational database applications (e.g. MySQL, PostgreSQL, Oracle). Database evaluation, development, support, and data management skills are essential.
- Expertise using markup languages (xml, sgml, xhtml) and scripting languages (e.g. php, perl, java).
- Expert knowledge of Windows and Macintosh environments and experience with UNIX.
- Demonstrated expertise in managing multimedia resources including film, slides, digital images and digital video in a networked, multi-user environment.
- Expert knowledge of photography, film and print materials, digital image standards and video standards and codecs.
- Expert knowledge of information technology standards and standardization, including an awareness of metadata standards within visual resources community (Visual Resources Association Core 4.0 and Cataloging Cultural

Objects (CCO).

- Demonstrated experience developing web sites using graphics, audio, and video resources. Drupal experience preferred.
- Awareness of the role of intellectual property rights (copyright) as they pertain to image-based curricular and research support operations.
- Excellent time and project management skills; demonstrated experience managing projects and a complex workload, prioritizing tasks, and using good judgment in defining goals and objectives based on general strategic directions.
- Demonstrated initiative in developing short and long-term plans, and translating programmatic issues into projects, with a proven record of success in leading and implementing technology projects as well as a demonstrated ability to effectively manage organizational and technological change.
- Demonstrated ability to establish effective, on-going relationships with varied levels of a diverse faculty, staff, and students.
- Excellent teaching, communication, and interpersonal skills. Ability to interact effectively and tactfully in oral and written communications with members of the academic community.
- Demonstrated experience working in a service-oriented environment.
- Experience teaching technology skills to novice and expert computer users and a demonstrated ability to troubleshoot computing problems.

Desired qualifications:

- An advanced degree in Information Technology, Art or Art History, or Library and Information Science or related experience is desirable. Knowledge of art practice and the history of art, architecture, and design, as well as an awareness of the interdisciplinary nature of contemporary Humanities and Area Studies research and the manner in which multimedia resources can be utilized by an academic community.
- Experience supporting Humanities or Area Studies based research at a major research university.
- Experience in applying technology in support of teaching and research.
- Experience with supervising various aspects of server administration and desktop support.

To see the full job description, assure your application information is captured in our official files, and give the hiring department immediate access to your resume, you must apply to <http://jobs.stanford.edu/> and in the keyword search box, indicate 32767