

Curriculum Vitae

Bin Zhang

Systems Librarian and Assistant Professor

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1 Education

1994 Master of Library and Information Studies (MLIS)

University of Hawai'i at Mānoa
School of Library and Information Studies
Major: Library and Information Studies

1983 Bachelor of Agricultural Sciences (B.Agr.Sci)

Xinjiang Agricultural University
College of Animal Sciences
Ürümqi, Xinjiang, China
Major: Animal Husbandry

2 Training and Computer-Related Course work

2002 XML and Libraries (one day pre-conference workshop session)

Library and Information Technology Association (LITA) Annual Forum

2000 “Introduction to Oracle: SQL and PL/SQL” (one week, certificate)

Oracle University, Oracle Corporation

1999 Publishing on the Web Workshop Stanford University (three days)

1998 University of Hawai'i

Kapi'olani Community College
Honolulu, Hawaii.

Course work in:

- C Programming;
- Object Programming Using Java;
- Applied Database Programming Using Microsoft Access 97.

1996 Institute of Digital Library Development Program

University of California at Berkeley Library (one week institute)

3 Work Experience

9/1995 - Present: Systems Librarian

University of Hawai'i
Kapi'olani Community College Library

Integrated Library System Responsible for staff support for *Voyager*, the integrated library system from Endeavor Information Systems, Inc.; act as the liaison between Library staff and the Systems Office at Hamilton Library, the main library of the University of Hawai'i System; serve on the UH system-wide *WebVoyage* committee (a group of librarians who make decisions related to the web interface of the Voyager online catalog system). Worked with vendor and created Z39.50 connections to EbscoHost and other full-text databases from within Voyager. Created and have been maintaining the listserv for the committee.

Web Development and Server Administration Responsible for maintaining the Library's web servers, both hardware and software (one Sun Enterprise 250 server running Solaris operating system, and one PentiumIII 550 running RedHat Linux operating system); maintain two proxy servers (Squid and EZProxy), a *MySQL* database server; developed all the CGI scripts for all the web sites hosted on the web servers using Perl and PHP, including database applications for *MySQL* and *MiniSQL* databases, and search interfaces for *SWISH-E* and *freeWAIS-sf* search engines; provide all staff training on HTML, metadata and database; provide guidance for other library staff on various digital library and other web-based projects. Initiated most of digital projects (listed in the section 5, page 5). These projects involved development of interactive

tutorials (Ho‘okele), bibliographic database using SQL (China Abroad Archive), implementation of Dublin Core metadata (ASDP, PSI), and other technologies.

Developed a web-based electronic reference service system; developed a new book listing system; developed a UH system-wide patron authentication and electronic resource management system using EZProxy with Perl and MySQL. Did presentations to a UH system-wide committee and the UH Library Council, which consists of library administrators from all libraries in the University of Hawai‘i system. Provided assistance to the Hamilton Library Systems Office on setting up the authentication against Voyager patron database.

Desktop Computer Support Maintained a CD-ROM network (accessed by all University of Hawai‘i campuses and community colleges across the State of Hawai‘i); responsible for software and hardware installations and upgrades; maintain an NT-based local area network for both Library staff and the public; maintain a fee-based printing system (Pharos *UniPrint*) for the Library and other labs on campus; provide technical support and training for library staff and public users; supervise one staff member and one student worker.

Other Duties Perform general reference services; in charge of the Reference Department during summer months when the Reference Coordinator is on leave; served as the Acting Head Librarian when the Head Librarian was out of town; served on Department Personnel Committee, Tenure and Promotion Review Committee; served on recruitment committees for faculty and staff members; visited partner library campuses in Beijing, Kunming and Shenyang to provide assistance, and helped form exchange programs and other activities.

5/2002 - Present: Consultant

Kaua‘i Librarians Association
Lihue, Hawai‘i

Develop *Kaua‘i Newspaper Index* website (in progress), including the database design, development of user interface in PHP and MySQL.

5/2001 - Present: Consultant

DataWise Hawai‘i
Honolulu, Hawai‘i

Developed most web projects; maintain the web server. The work involves all the programming and database design using PHP and MySQL.

10/1994 - 8/1995: Electronic Technician

University of Hawai‘i at Mānoa Libraries

Provided desktop computer support (both hardware and software) to library staff; maintained a local area CD-ROM network; conducted Internet training (Gopher, FTP, Telnet) to Library staff; developed Library's first website that included an ILL request form.

9/1994 - 9/1995: Librarian (part-time)

American School of Professional Psychology/Hawai'i
Honolulu, Hawai'i

As the only librarian setup the new library; performed cataloging (original and copy cataloging) using Winnebago Library System; performed shelving, checking-in, checking-out and other circulation duties; provided computer support for faculty, staff and students.

6/1993 - 5/1994: Computer Assistant (as graduate assitant)

Department of Plant & Environmental Protection Sciences
College of Tropical Agriculture & Human Resouces (CTAHR)
University of Hawai'i at Mānoa

Performed data entry using dBaseIV; created a database for the Hawai'i Pesticide Information Retrieval System (HPIRS) using CDS/ISIS (a bibliographic database system developed by UNESCO); performed data conversion (dBase IV to ProCite, CDS/ISIS, etc.)

8/1992 - 5/1994: Computer Lab Supervisor (graduate assistant)

School of Library and Information Studies (SLIS)
University of Hawai'i at Mānoa

Performed hardware/software installations and maintenance; trained and scheduled lab monitors; conducted workshops on Internet, basic DOS, Unix, etc., for SLIS students and faculty members.

1/1994 - 5/1994: Teaching Assistant

School of Library and Information Studies (SLIS)
University of Hawai'i at Mānoa

Prepared and taught lab component for *Internet for Libraries* (LIS940) course; gave class presentation on WWW for the *Internet for Libraries* (LIS940) class.

4 Computer Experience

- Desktop Applications: Microsoft Office suite, Gnu Emacs, L^AT_EX, OpenOffice suite, Macromedia Dreamweaver/Fireworks, Adobe Photoshop and Acrobat, etc.

- Databases and ILSs: Oracle8i, MySQL, miniSQL, dBase, CDS/ISIS, ProCite, Winnebago, CARL, Voyager, etc.
- Programming Languages: Perl, PHP, JavaScript, HTML, etc.
- Internet Protocols: HTTP/HTTPS, FTP, Gopher, WAIS, Z39.50, Dublin Core, XML, RDF/RSS, etc.
- Operating Systems: Linux (Slackware, RedHat), Solaris, Windows (3.1x/95/98/NT 4.0/2000), MS DOS.

5 Publications/Websites Developed

- Webb, T. D. and Zhang, Bin. “Information Dropshipping”. Library Hi Tech. 1997; 15(57-58):145-150.
- Zhang, Bin. “Tricks of the Trade: Maintaining Your Library Website”. Newsletter of the Special Library Association – Hawai‘i/Pacific Chapter. January 1997: 2.
- China Abroad Archive Virtual Library
<http://library.kcc.hawaii.edu/dlib/charchive/>

Here you can see the result of Phase I of the digital library project: a searchable index to the archive that was donated by Dr. Daniel Kwok, a professor of University of Hawai‘i at Mānoa. The archive is a collection of unpublished literary works done in 1960s and 1970s in China. The index was built on MySQL database and the interface was developed with PHP.

- Ho‘okele: University of Hawai‘i Library Research Skills Tutorial
<http://library.kcc.hawaii.edu/external/hookele/>

This interactive online tutorial was the result of a UH system-wide collaborative effort to promote and standardize information literacy instruction across the UH system. The content was contributed by librarians from several UH campuses. I developed the site and built the database and user interface. The system was initially built on MiniSQL with its builtin scripting language (LITE), and later converted to MySQL/PHP.

- Sun Yat-Sen and Hawai‘i Virtual Library
<http://sunyatsen.hawaii.org/>

In cooperation with Sun Yat-sen Hawai‘i Foundation, a non-profit organization, this site was developed in a effort to show Dr. Sun’s early revolutionary works, and his ties with Hawai‘i. The site includes photographs, research works, and a bibliography in English and Chinese.

- Asian Studies Online Curriculum Collection
<http://library.kcc.hawaii.edu/external/asdp/>

This federally-funded site contains syllabi, bibliographies and references to other resources on the Internet in the area of Asian Studies and related fields. The site uses Dublin Core metadata with SWISH-E to provide a search interface.

This is a joint project between Kapi‘olani and the East West Center, which is a federal research institution.

*This site has been given the highest rating (five stars) by **Asian Studies Virtual Library** web site (maintained by Dr. T. Mathew Ciolek of Australian National University).*

- Pacific Studies Initiative
<http://library.kcc.hawaii.edu/external/psiweb/>

Being modeled after the ASDP site, this site contains syllabi, bibliographies and links to other related web resources in the area of Pacific Studies. The site uses Dublin Core metadata with SWISH-E to provide a search interface.

*This site has also been given the highest rating (five stars) by **Asian Studies Virtual Library** web site (maintained by Dr. T Mathew Ciolek of Australian National University)*

- Kaua‘i Newspaper Index
<http://www2.kauaicc.hawaii.edu/giindex/>

This site was developed to provide a searchable index to the old issues of Garden Island and other Kaua‘i local newspapers. The site was built with MySQL and PHP. It is still in development.

- DataWise Hawai‘i
<http://www.datawisehawaii.com/>

I did all the web site programming for this company that develops custom databases for schools, small businesses and various government agencies, including contract work for the Hawai‘i Department of Education.

- Pacific Regional Aquaculture Information Services for Education (PRAISE)
<http://library.kcc.hawaii.edu/external/praise/>

This federally funded project promotes economic development through aquaculture in Hawai'i and across the Pacific region. I created the web site including its interactive user interface and was responsible for maintaining the site until 1999.

- Center for Tropical and Subtropical Aquaculture (CTSA)
<http://library.kcc.hawaii.edu/external/ctsa/>

Because of the success of PRAISE, I developed a derivative web site for CTSA. I maintained both sites in coordination with Hamilton Library Sci-Tech Department and CTSA.

- RadTech Re-certification Project
<http://library.kcc.hawaii.edu/external/recert2/>

I developed this site for Kapi'olani's Radiologic Technology Department so that radiologic technicians across the US could take online short courses and be re-certified every two years. The site contained a large digital X-ray collection, an online testing/quiz system and original full-text course materials. This site is not currently in full operation.

6 Presentations

- “Library Automation and Electronic Information Services”
July 1997
Peking University Library
Beijing, China

Presented to PKU Library staff

- “Library Automation and Electronic Information Services”
July 1997
Northeastern University Library
Shenyang, Liaoning, China

This presentation was co-sponsored by Shenyang Scientific and Technical Information Association, Liaoning Higher Educational Institutions Library Working Committee and Northeastern University Library. Participants included library staff from Northeastern University Library and librarians from other higher-education institutions in Shenyang.

- “Library Automation and Electronic Information Services”
August 1997
Ürümqi, Xinjiang, China

Presented at the Annual Library Directors’ Meeting of National Ethnic Higher Education Institutions.

- “Library Automation in the United States”
June 1999
Library, Yunnan Institute of the Nationalities
Kunming, Yunnan, China

Presented to library staff

- “Library Automation in the United States”
July 1999
Beijing Polytechnic University Library
Beijing, China

Presented to library staff

- “Academic Support Initiatives”
March 1999
Excellence in Education Conference
University of Hawai‘i
Honolulu, Hawai‘i

Demonstrated a selection of Kapi‘olani’s online resources to a system-wise audience of university faculty and administrators.

- “The China Abroad Archive: China’s Underground Online”
April 13, 2000
Annual Conference of National Association for Asian & Pacific American Education
Kailua-Kona, Hawai‘i

Explained and demonstrated the construction and functionality of the China Abroad Archive virtual library.

7 Professional Affiliations

- Member, American Library Association (ALA)
- Member, Library and Information Technology Association (LITA)
- Member, Chinese American Librarians Association (CALA)
- Editor, *Chinese Librarianship: an International Electronic Journal*(ISSN: 1089-4667;
web address: <http://www.whiteclouds.com/iclc/cliej/index.htm>)

8 References

Available upon request.