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Jeffery Lawrence Loo

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Curriculum vitae

Born: Vancouver, British Columbia, Canada
Citizenship: Canadian

Education

University of North Carolina at Chapel Hill, USA

PhD in Information and Library Science, 2009

Beta Phi Mu Honor Society, Epsilon Chapter

Dissertation title: Acceptance of health services on mobile phones: A study of consumer perceptions

University of Sheffield, UK

MSc with Distinction in Chemoinformatics, 2006

Dissertation title: Tracing small molecules in lead optimization

National Library of Medicine, USA

Associate Fellow, 2003 – 2005

Second year fellowship at Welch Medical Library, Johns Hopkins University

University of British Columbia, Canada

MLIS in Library and Information Studies, 2003

Simon Fraser University, Canada

BSc in Chemistry, 2001

Continuing education

American Library Association

- ALA Emerging Leaders Program, 2012

National Library of Medicine

- NCBI Advanced Workshop for Bioinformatics Information Specialists
40 MLA contact hours, 8/05
- NCBI Introduction to Molecular Biology Information Resources
20 MLA contact hours, 3/05

FAES Graduate School, National Institutes of Health

- Audited classes on toxicology, genetics and mathematical modeling
1/04 – 12/04

Employment and research positions

Chemistry and Chemical Engineering Library, University of California, Berkeley

11/09 – present

Liaison to the Lawrence Berkeley National Laboratory – a U.S. Department of Energy national laboratory

- Facilitate strategic collaboration and engagement between the LBNL and UC Berkeley Libraries (as part of an innovative business arrangement) to provide LBNL personnel seamless access to UCB's licensed e-resources
- Facilitate special projects at LBNL in collection development and management (e-resource licensing and access troubleshooting), communications and outreach, strategic planning, open access initiatives, and library systems (link resolver implementation)

Chemical Informatics Librarian

- Provide academic reference services for chemistry and chemical engineering subjects via in-person and IM reference
- Design and teach library instructional classes including:
 - curriculum-integrated information literacy classes
 - online video instruction

- library orientation sessions
- My instructional portfolio is available at <http://jeffloo.com/berkeley/category/instruction/>
- Assist in collection development for pharmaceutical subjects
- Designed and conducted a mixed methods research study on authors' and editors' experiences with the Springer Open Choice open access publishing pilot program. This was a survey conducted at all University of California campuses.
 - Conducted the literature review
 - Wrote the first draft of the survey
 - Coordinated the survey editing among the statewide members of the UC/Springer Journals Open Access Pilot Task Force
 - Implemented the online survey
 - Conducted the statistical analyses
- Service to UCB Library Committees
 - Secretary, Executive Committee, Librarians Association of the University of California, Berkeley, 2011 – 2012 (elected position)
 - ARL/DLF E-Science Institute, team member, 2011
 - Editorial team, UC Berkeley Library on eScholarship – UC's open access, scholarly publishing service and research tool (2011 – present)
 - Chair, Doe Library Wall Editorial Committee, 2011 – 2012
 - Doe Library Centennial Celebration Committee (2011 – 2012)
 - Scholarly Communications Advisory Group (2010 – present)
 - UC/Springer Journals Open Access Pilot Task Force (2010 – present)
 - Educational Initiatives Council (2010 – 2012)
 - Librarians Association of the University of California, Berkeley (LAUC-B) Committee on Diversity (2010 – 2012)
 - Administered the Library Job-Shadowing Program and its evaluation
 - Search Committee for the Emerging Technologies Librarian at Bioscience and Natural Resources Library (2010)

School of Information and Library Science, University of North Carolina at Chapel Hill

Teaching Assistant

8/08 – 12/08

- Taught health sciences information for a graduate 3-credit class (INLS 705)
- Designed and prepared class for inquiry-driven and reflective learning
- Coordinated student field experiences for global health, library administration and medical archives projects at Duke University Medical Center Library & Archives and UNC Health Sciences Library
- Class website: <http://sites.google.com/a/jeffloo.com/inls705/>

University of North Carolina Hospitals, Chapel Hill, NC

Student Volunteer for newspaper delivery and the library cart

1/08 – 4/09

- Provided reading materials to patients and visitors

Duke University Medical Center Library & Archives, Durham, NC

Research Student

9/07 – 4/09

- Surveyed library service needs for chemical informatics and global health
- Presented library service recommendations to the Duke University Libraries
- Demonstrated resources for chemical informatics
- Examined the information needs of third year medical students for their independent research project

Mobile Medical Computing Reviews

Founding Editor

9/06 – 9/10

- Edited and managed the digital publication of an open access journal for critical summaries of mobile medical computing
- Prepared health professionals and students to write research reviews

GlaxoSmithKline Medicines Research Centre, Stevenage, Hertfordshire, UK
MSc Dissertation Student

6/06 – 8/06

- Profiled drug lead optimization projects using statistical methods, chemoinformatics techniques, and visualization tools

Welch Medical Library, Johns Hopkins University School of Medicine, Baltimore
Associate Fellow

9/04 – 8/05

- Initiated and chaired a task force to implement library services for handheld computers and a PDA-compatible home page
- Presented my research on the role of libraries in chemical informatics to various academic libraries (MIT, UW, UMass) and a government information center (NLM SIS)
- Organized a lecture series on emerging information technologies
- Volunteered at a pathology research lab to study the information seeking behavior and needs of basic medical scientists

National Library of Medicine, Bethesda, MD, USA

Associate Fellow

9/03 – 8/04

- Edited and authored new sections of the NLM PubMed help manual
- Published the revised PubMed manual as an XML-based online book in NCBI Bookshelf
- Designed an algorithm for linking chemical records in the Household Products Database to PubMed literature citations
- Coded a Java program to automate XML file generation for PubMed LinkOut
- Designed and drafted animated web tutorials for PubMed instruction using Qarbon ViewletBuilder during an external practicum

Woodward Biomedical Library, University of British Columbia, Vancouver, Canada

Graduate Academic Assistant (part-time)

10/01 – 4/03

- Provided academic reference services for medical and biological specialties
- Instructed PubMed classes and assisted librarians with classroom instruction

Vancouver Public Library (downtown Central Branch), Canada

Student Librarian (part-time)

9/02 – 4/03

- Provided public reference services in the Science & Technology Division and the Quick Information Service, a fast-paced directional reference department

Special Libraries Association, UBC Student Chapter, Vancouver, Canada

Webmaster

7/02 – 4/03

- Re-designed and maintained the association web site

University of California, San Francisco Library

Practicum Student

4/02

- Researched and recommended collection development for biotechnology reference resources

Centre for Health Evaluation & Outcome Sciences, Vancouver, Canada

Research Assistant

5/01 – 8/01

- Catalogued 400+ neurology journal articles into an EndNote database employing a classification scheme of my own design for stroke care
- Conducted literature searches on stroke care and neurological conditions

Vancouver Vascular Biology Research Centre, Canada

Research Assistant

1/01 – 4/01

- Conducted pharmacological calcium exchange experiments with calcium imaging techniques and prepared fetal rat aorta cell culture

Belzberg Library, Simon Fraser University, Vancouver, Canada

Library Assistant (part-time)

9/00 – 12/00

- Provided circulation desk services and was accountable for shelving and patron services

Dr. R. Pomeroy Chemistry Lab, Simon Fraser University, Burnaby, Canada

Research Assistant (part-time)

9/00 – 12/00

- Prepared NMR experiments to study the rate of carbonyl exchanges in metal clusters
- Synthesized osmium metal cluster compounds with inert environment techniques

Canadian Biotechnology Secretariat, Canadian Federal Government, Ottawa,

Canada

Research Assistant

5/99 – 8/99

- Created 14 executive briefing portfolios on specialized issues in Canadian biotechnology commerce and research support with research conducted online and at government libraries

Associated Economic Consultants, Ltd., Vancouver, Canada

Research Assistant

9/97 – 12/97

- Created a database catalogue for a library collection of 3000+ items

Publications

As editor

- Guest editor, Special issue: From health informatics to eHealth, UK Health Informatics Today, No. 57 Autumn 2008
- Editor, Mobile Medical Computing Reviews online journal, 2006 – 2010
- Edited and digitally published the NLM PubMed help manual online book, 2004
<http://www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=helppubmed.chapter.pubmedhelp>

Articles

- Loo JL, Chang HF, Hochstein C, Sun Y. Generating PubMed chemical queries for consumer health literature. AMIA Annu Symp Proc; 2005: 1035.
- Loo JL. PubMed in Your Pocket. UK Health Informatics Today. 2004 Winter;(45):e1.
- Loo JL. Search PubMed from Household Products Database. NLM Tech Bull. 2004 Jul Aug;(339):e4.

Presentations

Posters

- Phillips M, Loo J, Weil B. Advancing the Impact of Research: The Berkeley Research Impact Initiative (BRII). Berlin 9 Open Access Conference, 2011.
- Loo JL, Langley A, Murphy B, Thibodeau PL. Global health: Some first steps to serving this interdisciplinary field. MLA / Mid-Atlantic Chapter (MAC) Annual meeting, 2008.
- Loo JL, Chang HF, Hochstein C, Sun Y. Generating PubMed chemical queries for consumer health literature. AMIA, 2005, Washington, DC.
- Loo JL, Al-Ubaydli M, McEntyre M, Canese K. PubMed help online book: Digital publishing with the NCBI Bookshelf. MLA, 2005, San Antonio.

Talks

- Looking to Norway for novel library ideas, Norge som innovatør: lærdommer å trekke fra norsk nyvinning innen bibliotek-vitenskapen, UNC SILS Research Colloquium, 11/29/06.

- Chemical informatics for libraries, Invited presentation at MIT Science Library, Cambridge, Massachusetts, 7/05.
- NIH Roadmap and chemoinformatics, Welch Medical Library Journal Club, Johns Hopkins University, 12/04.

Research

- Principal Investigator, The value of a doctoral education in academic librarianship: The perceptions of PhD librarians, 2009 – present, <https://sites.google.com/site/phdlibrarians/>
 - Co-investigators: Dr. Erik T. Mitchell, University of Maryland; Dr. Susan Rathbun-Grubb, University of South Carolina
 - Supported by a Librarians Association of the University of California research grant

Teaching

Guest lectures

- LBSC 670 Organization of Information, College of Information Studies, University of Maryland, College Park, MD
 - Sharing high-quality and well-organized scientific data and information, November 28, 2011 – <http://jeffloo.com/berkeley/2011/11/29/sharing/>
- LIB 100 Information Literacy, Z. Smith Reynolds Library, Wake Forest University, Winston-Salem, NC (conducted online to an in-person class)
 - Research information sharing and information synthesis, November 18, 2010 – <http://jeffloo.com/berkeley/2010/11/18/research-sharing/>
 - Sharing academic and professional information through social media, November 30, 2010 – <http://jeffloo.com/berkeley/2010/11/29/sharing-social-media/>

School of Information and Library Science, University of North Carolina at Chapel Hill

Teaching Assistant

2008 Fall semester

- Health Sciences Information (INLS 705), a graduate 3-credit class
- Class website: <http://sites.google.com/a/jeffloo.com/inls705/>

Center for Information Technology, National Institutes of Health, Bethesda MD

Instructional assistant

7/04

- Introductory Handheld Computing workshop

Woodward Biomedical Library, University of British Columbia, Vancouver, Canada

9/02 – 3/03

Instructional graduate assistant

- Advanced PubMed searching workshops

Research advising

School of Information and Library Science, University of North Carolina at Chapel Hill

Master's Paper Advisor

11/08 – 4/09

- Supervised research projects for two medical students in the dual degree MD MSIS program with Duke University
- Matthew K. Langman, Topic: Variance between laboratory and point-of-care testing of blood glucose: Business Intelligence tools for patient safety <http://ils.unc.edu/MSpapers/3502.pdf>
- Anthony Joseph, Topic: Comparing the usability of Apple and Palm handheld computing devices among physicians: A randomized crossover study <http://ils.unc.edu/MSpapers/3494.pdf>

Honors and awards

ALA Emerging Leader, 2012

Beta Phi Mu Honor Society, Epsilon Chapter, 2011

Lester Asheim Scholarship, 2009

CCDC Prize (best performance in MSc Chemoinformatics program), 2006

Daylight Prize (best MSc Chemoinformatics dissertation), 2006

The University of Sheffield Canada Scholarship, 2005

American Chemical Society Lucille M. Wert Scholarship, 2005

US National Library of Medicine Associate Fellowship, 2003 – 2005

Ruth Cameron Medal for Librarianship (top graduating student), 2003

C. William Fraser Prize (for medical librarianship), 2003

University of British Columbia Graduate Fellowship, 2002

Li Tze Fong Scholar (UBC Graduate Fellowship), 2001

Canadian Society for Chemistry Silver Medal Award, 1999

Simon Fraser University Honor Roll (6 time recipient), 1997 – 2000

Simon Fraser University Summit Scholarship, 1996 – 2000

Ed Nelson Memorial Bursary for English Literature, 1996

Golden Key National Honor Society