

Barbara L. Hui

Ph: +1 (323) 454-3121 Email: barbara.hui@gmail.com

Education

- Sep 2010 PhD in Comparative Literature with specialization in Digital Humanities, UCLA. Dissertation: *Narrative Networks: Mapping Literature at the Turn of the 21st Century*
- May 1996 BA in Comparative Literature, UC Berkeley, *cum laude*
- 1996 - 1998 *Intro to Programming using C, Unix Fundamentals, C++ Programming, Perl Programming* (among others), UC Berkeley CS Dept. & UCB Extension

Technical Skills

Languages: SQL, Perl, Javascript, jQuery, PHP(5), Python, XML, (X)HTML, CSS, Flash/Actionscript, vi(m) editor, ColdFusion, Progress 4GL. Courses taken on C++ and Java

Databases: MySQL, postgresSQL, MSSQL, Progress

Mapping/Geo: Google Maps API, OpenStreetMap, MS Virtual Earth API, PostGIS

Operating Systems: Mac OS X, Linux, Unix, Windows

Architectures/Other: Flex, Git, AJAX, Fusebox

Work Experience

- Mar 2011 - present **E-Publishing Applications Developer.** Publishing Group, California Digital Library, University of California Office of the President.
- Customize open source software (*Open Journal Systems*) for use by University of California faculty and students.
 - Migrate journals' data and workflows from existing software into OJS.
- Jan 2011 - Feb 2011 **XML Dictionary Data Editor.** Wordnik, Inc. San Mateo, CA.
- Cleaned and corrected tagging of dictionary XML to correctly distinguish headwords, inflected forms, cross-references, illustration references, citations and etymologies for display and API use.
- Dec 2009 - Nov 2010 **Software Engineer.** University of California Humanities Research Institute (UCHRI).
- Developed online system for accepting and processing applications for international media and learning competition and other programs.

- Coded platform for both public commenting and private judging processes.
- Supervised contract programmer and worked with non-technical staff to implement program functionality on tight schedule.
- Technologies used: PHP, mySQL, jquery, javascript, AJAX, pligg CMS, Git, KohanaPHP.

Jun 2008 -
Dec 2009

Web database geodata platform developer. *Korean Folklore Project, Danish Folklore Project* and other *Nordic Mapping* projects. Employer: Prof. Tim Tangherlini, Scandinavian Section, UCLA.

- Designed and built extensible, robust mySQL and postgresSQL databases to support large, geographical, foreign-language data sets.
- Coded user interface for browsing, searching, & editing data using PHP, mySQL, AJAX.
- Supervised work study students.

Jun 2008 -
Jul 2009

Lead Web Developer for Map-Based Second Learning Language Platform, *Virtual Study Abroad* project (<http://vstudyabroad.cdh.ucla.edu/>). Dept. of Germanic Lang. & Lit., UCLA.

- Consulted with non-technical faculty to gather specs for building map-based online platform for teaching undergraduates foreign language.
- Worked with programmers and graduate students of varying technical skill levels to develop geo-centric website for presentation of multimedia materials. Site now used in classrooms at several universities around the U.S. and and abroad.
- Technologies used: PHP, mySQL, AJAX, Google Maps API.

Jul 2005 -
Jun 2007

Co-Principal Investigator & Lead Developer, *Hypercities* (<http://www.hypercities.com>) Dept. of Comparative Literature, UCLA.

- Worked with UCLA Center for Digital Humanities and UCLA Library staff to develop a technically strong application that also exemplifies humanities scholarship and point of view.
- Designed extensible, resilient database schema to support large multimedia dataset.
- Redesigned user interface to take advantage of underlying relational database, i.e. search, user input, login functionality as well as freely available mapping API technology.
- Coded new UI and site functionality using PHP, mySQL, AJAX, Google Maps API.
- Presented project at *Where 2.0 Conference*, San Jose, CA, 29 May 2007.

- Nov 2006 -
Apr 2007 **Web, database & mapping applications developer**, *SNAP* emergency preparedness system for LA County, Dept. of Urban Planning, UCLA.
- Designed and developed web-based ColdFusion application for use in locating and aiding disabled people in a disaster.
 - Built MS SQL database and coded backend application for site. Interfaced with MS Virtual Earth API front-end.
- Jan 2005 -
Jun 2005 **Digital Humanities Course Instructor**, Dept. of Germanic Lang. & Lit., UCLA.
- Facilitated discussions, taught webpage creation skills, and supervised students in production of web projects for a GE course on the history of Berlin.
- Sep 2003 -
Jun 2004 **Teaching Assistant and Language Instructor**, Departments of Comparative Literature and Germanic Lang. & Lit., UCLA.
- Taught reading and composition skills to groups of 20 undergraduate students. Instructor for German 1 & 2.
- Jul 2002 -
Jun 2003 **Instructional Technology Consultant**, Center for Digital Humanities, UCLA.
- Supported and advised humanities departments in the use of *WebCT* course management websites and other instructional technologies.
- Jan 1997 -
Jul 2002 **Programmer/Analyst III**, IST-Communication & Network Services, UC Berkeley.
- Developed and coded client/server database applications for use by UC Berkeley campus customers and CNS in-house employees.
 - Analyzed business processes, determined program specifications and layout via dialogue with users and co-workers.
- Organizational Experience** Organizer, *THATCamp* (The Humanities and Technology Camp) *Bay Area*, San Francisco, CA, October 9-10, 2010.
- Organizer, *THATCamp SoCal*, Occidental College, Los Angeles, CA, March 13-14, 2010.
- Publications & Digital Projects** “Global Networks in W.G. Sebald’s *Rings of Saturn*,” in *The Undiscover’d Country: W.G. Sebald and the Poetics of Travel*, ed. Markus Zisselsberger, (Camden House, Rochester, NY: 2010).
- Litmap*. A digital humanities application:
<http://www.barbarahui.net/litmap/>
- Interviewed and *Litmap* featured in *Patience (After Sebald)*, director Grant Gee, 2011, Arts Council England.

Languages German (near-native fluency)
 Spanish (fluent)
 French (reading & conversational competency)
 Mandarin Chinese (elementary)

References Available Upon Request