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**AREAS OF EXPERTISE**

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**Supervisor:** Experience supervising library staff including the Emerging Technologies Specialist (2009 – 2018) and as past Unit Head of the Multimedia Resources and Interactive Learning Centers (March 2009 – July 2010), coordinated and evaluated services and activities.

**Leader on digital strategy and marketing:** Instituted the use of research plans and best practices as the foundation of an effective program in social media and emerging technologies. Developed and promoted the vision for Emerging Technologies in support of library mission and objectives. Collaborated with library IT and Web Services on projects when appropriate.

**Presenter / Instructor:** An experienced instructor able to develop training / information sessions and to deliver information effectively. Has presented at local and national conferences. Able to successfully represent the organization in seminars and work sessions. In 2017 became a certified Carpentry instructor and coordinates the UCI Libraries Carpentry program.

**Leader: cross-discipline teams in development and implementation:** Chair of teams such as the Streaming Media Task Force, Second Life Task Force, and member of the Technology Enhancements Taskforce and the Tabletop Games Team. Implemented ANTswers an online chatbot, Online Research Consultations using Google+ Hangouts and Join.me, and supervised the implementation of other projects and services.

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**EXPERIENCE**

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UNIVERSITY OF CALIFORNIA, IRVINE

3/2009 – current

**Computational Research Librarian (June 2020 – current)**

Digital Scholarship Services Emerging Technologies Librarian (January 2019 – June 2020)

Research Librarian for Emerging Technologies and Service Innovation (March 2009 – December 2018)

Interim Research Librarian for Education (April 2013 – Aug 2015)

Head, Interactive Learning Center & Multimedia Resources Center (March 2009 – July 2011)

Develops a program in library-based research reproducibility education and support services in collaboration with colleagues across the libraries and campus. Leads, develops, and promotes GIS and Spatial Analysis services and resources to meet curricular needs on campus. Assist researchers with computation, focusing on the use of R, Python, and GIS software. Certified Carpentry instructor, manages the libraries Software Carpentry workshops and the Digital Scholarship Services (DSS) departments programming workshops. As the past Interim Data Management and Curation Librarian, provided consultation services to students and faculty on data management and curation topics. Adapted and administered the data management and curation training for library staff. Campus admin for DMPTool and Dash/Dryad, attend service specific conference calls and the Data Curation Common Knowledge Group (DCCKG.) As the emerging technologies librarian, identified, promoted, and managed the service implementation of new library technology initiatives. Continually shared best practices through monthly informational sessions and written best practices relating to social media and emerging technologies. Trained staff to effectively utilize Web 2.0 technologies and social networking software to market library resources and services. Project manager and implementer for departmental, divisional, and organizational projects.

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Feb 2005 – Feb 2009

**Astronomy, Chemistry and Electrical Engineering Librarian**

**Undergraduate Instruction Coordinator for Science and Engineering Library**

Managed approximately \$40 - \$50K in collection development funds. Library instructor for COSMOS, a residential summer program for high school students. Encouraged library staff to experiment and learn about emerging technologies by serving as a committee member involved in the creation and support of a Learning 2.0 Project. Served as the co-chair, technical advisor, and trainer for the UCSC Second Life Project; where a team worked to re-design the main floor of the S&E Library utilizing the online virtual world of Second Life. Created and managed budgets for special projects, such as refurbishment of the library classroom and the purchase of video games and video game consoles for a new video game collection.

**Part-Time Associate Faculty – Librarian**

Provided reference service to students and faculty, conducted library instruction classes and assisted in collection development.

## ARIZONA HEALTH SCIENCE LIBRARY

Sept 2002 – May 2004

**Reference - Graduate Student Assistant**

Assisted at the reference/information desk by answering directional and factual queries; assisted users with the OPAC and database searches. Screened calls and conducted brief interviews to ascertain user needs. Conducted special projects within the information services department, such as comparing terminology between controlled term lists for inclusion into the AZhealthinfo Website.

## Q-GROUP, INC., Phoenix, AZ

Nov 2000 – Aug 2002

**Research Analyst**

Project manager of mystery “shop” programs for major financial institutions. Supervised and managed the timing of field representatives conducting market research. Responsible for copy editing each “shop” for completeness / correctness. Maintained excel databases for each client’s program, including past and present scores, locations, dates, etc. Also produced updates and final reports on the data/research accumulated. Able to manage multiple projects simultaneously.

## AMERICAN GEOTECHNICAL, San Diego, CA

June 1998 – Oct 2000

**Staff Geologist**

Managed an \$110,000 field site geotechnical investigation; which included supervision of American Geotechnical employees and the hiring, scheduling, and supervision of onsite sub-contractors. Organized and maintained large original document files, scheduling appointments, and office supervision. Utilized Excel and Word skills to write and format final reports detailing data analysis and repairs. Interacted with clients, analyzed issues and prepared project proposals for geotechnical investigations.

## LABORATORY OF TREE RING RESEARCH, Tucson, AZ

1994 – Dec 1997

**Undergraduate Research Assistant**

Responsibility for all aspects of laboratory research, from collecting laboratory samples to the final analysis and documentation of test results. Established and maintained a computerized inventory of laboratory samples. Assisted in laboratory and project management; conducted library research and data analysis for scientific papers.

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**EDUCATION**

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**M.A. in Library Science**, University of Arizona, Tucson, AZ, 2004

**B.S. in Geoscience**, University of Arizona, Tucson, AZ, 1997

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**AWARDS**

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2019 LAUC Presentation Grant: Analyzing an Interactive Chatbot and its Impact on Academic Reference Services

2017 ACRL Mid-Career Librarian Scholarship

2017 LAUC Presentation Grant: Make it, Map it, Take it

2014 UCI Libraries Kudos Librarian Award

2013 LAUC Presentation Grant: The Ins and Outs of Screen Sharing: Google+ Hangouts and Join.me

2011 LAUC Presentation Grant: QR Codes: Mobilizing the Stacks

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**CERTIFICATES**

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2017 Certificate of Achievement - Software Carpentry Certification

2019 Certificate of Completion - FAIR Data Stewardship Supporting FAIR Data Interoperability

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**PUBLICATIONS**

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Peer Reviewed Articles / Conference Proceedings / Book Chapters

- Wallbank, S., Kane, D., Dickerson, M., & Hutchinson, J. (2019). Exploring Bibliographic Records as Research Data. Catalogue and Index, 197, 3-9.

- Kane, D. (2019). Creating, Managing and Analyzing an Academic Library Chatbot. BiD: textos universitaris de biblioteconomia i documentació, núm. 43 (desembre). DOI: <https://dx.doi.org/10.1344/BiD2019.43.22>.
- Kane, D. (2019). Analyzing an Interactive Chatbot and its Impact on Academic Reference Services. ACRL 2019, Cleveland, Ohio.
- Invited Author. Kane, D. (2016). The Role of Chatbots in Teaching and Learning. In Rice, S. & Gregor, M. (Eds.), E- Learning Innovations in Academic Libraries. North Carolina: McFarland.
- Kane, D., & Schneidewind, J. (2011). QR Codes as Finding Aides: Linking Electronic and Print Library Resources. Public Services Quarterly, 7(3/4), 111-124. <http://dx.doi.org/10.1080/15228959.2011.623599>.
- Kane, D., Allison, V., Gelfand, J., Williams, B. (2010). Proceedings from the International Federation of Library Associations and Institutions (IFLA) '10: Digital Environments and Libraries: Using Second Life as a Catalyst for Campus Wide Visual Literacy Initiatives. Gothenburg, Sweden.
- Jacobson, J.J., Kane, D. A., Runquist K., Hamilton, J., and Clark, S. (2009). Proceedings from Internet Librarian '09: Fictioneurs, Versifiers, Thinkers & Tinkerers: Managing virtual collections across platforms in the Web 2.0 era. Medford, N.J.: Information Today.
- Kane, D., Soehner, C., & Wei, W. (2006). Building a Special Collection of Video Games at the University of California, Santa Cruz. Science & Technology Libraries, 27(4), 77-87. doi:10.1300/J122v27n04\_06.

#### Selected Presentations / Poster Sessions:

- Invited Speaker. Kane, D. (2021, April), ANTswers Chatbot. SLA Sierra Nevada Community. Online
- Kane, D. (2019, September), Licensing Digital Products. Research Transparency and Reproducibility Training (RT2). Berkeley Initiative for Transparency in the Social Sciences. Online
- Gelfand, J. & Kane, D. (2019, July), Data Integration: Weaving Library Collections & Services Together. SAGE Exchange: Get Data Savvy!. Los Angeles, CA.
- Kane, D. & Moore, M.M. (2017, March), Make It, Map It, Take It: Create your own digital learning object in a day.
- ACRL 2017. Baltimore, MD.
- Kane, D. (2015, June), ANTswers: an interactive library FAQ. ALA Annual 2015 Poster Session – San Francisco, CA – June 25 – 30, 2015.
- Kane, D. (2014, December), ANTswers: Your Interactive FAQ. Hacking Reference: Engaging the "Whole Student" CARLDIG-S Fall Program.
- Invited Speaker. Kane, D. (2014, October), ANTswers: The UC Irvine Libraries beta bot. Southern California Innovative Users Group (SCIUG) Annual Conference - Occidental College.
- Kane, D. & Schneidewind, J. (2013, October). Retooling Tech: Screen Sharing & Virtualized Workspaces. Internet Librarian. Monterey, CA.
- Invited Speaker. Kane, D. (2013, October). There's a bot in my library! Southern California Innovative Users Group (SCIUG) Annual Conference. California State Polytechnic University. Pomona, CA.
- Kane, D. & Johnson, C. (2013, June). The Ins and Outs of Screen Sharing: Google+ Hangouts and Join.me. ALA Annual Conference LITA Division, Chicago, IL.
- Kane, D. & Johnson, C. (2012, October). Librarians Online! Screen-sharing with Google+ Hangouts and Join.me.
- Library 2.012 Worldwide Virtual Conference, Online.
- Invited Speaker. Kane, D & Schneidewind, J. (2012, September). Tech Trends on the Horizon for Libraries. Southern California Innovative Users Group (SCIUG) Annual Conference. Loyola Marymount University. Los Angeles, CA.
- Kane, D. (2012, April). Evaluation & Iteration: Using Statistics to Help Craft Your Libraries Social Media Presence.
- Poster session. California Academic & Research Libraries Conference. San Diego, CA.
- Kane, D. (2011, October). QR codes in action: Mobilizing the Stacks. Internet Librarian. Monterey, CA.
- Kane, D. (2011, January). In the Stacks with QR Codes. American Library Association Midwinter Conference. San Diego, CA.
- Gelfand, J., Kane, D., & Allison, V. (2010, August). Using Second Life as a Catalyst for Campus Wide Visual Literacy Initiatives. International Federation of Library Associations and Institutions (IFLA). Gothenburg, Sweden.
- Kane, D. (2010, March). Beyond Creation: Managing and Maintaining a Virtual Presence. Poster session. The Future is Now: Libraries and Museums in Virtual Worlds. Second Life.
- Kane, D., Jacobson, J.J., & Hamilton, J. (2009, October). Fictioneurs, Versifiers, Thinkers & Tinkerers: Managing virtual collections across platforms in the Web 2.0 era. Internet Librarian. Monterey, CA.

#### Data/Software:

- Kane, Danielle (2019), UCI Libraries chatbot Transcripts (ANTswers), UC Irvine, Dataset, <https://doi.org/10.7280/D1J38B>
- Kane, D (2017), UCI Libraries' Chatbot Files (ANTswers), v3, UC Irvine Dash, Dataset, <https://doi.org/10.7280/D1P075>
- Kane, D. (2017), ANTswers. UCI Libraries Github. <https://github.com/UCI-Libraries/ANTswers>
- Kane, D. (2014), ANTswers Program Files – All Subjects (zipped). UCI Libraries. Software. <https://escholarship.org/uc/item/78589534>

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#### **ORGANIZATIONS**

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##### American Library Association (ALA) (2009 – current)

- Association of College & Research Libraries (ACRL) – (2017 – current)
- Library Information Technology Association (LITA), member. 2009 – 2019
- LITA Membership Committee. 2016 - 2018
- LITA Education Committee. 2015 - 2017
- LITA Program Committee. 2012 – 2014

##### The Carpentries – (2017 – current)

- Library Carpentry UNIX – Maintainer
- Software / Data / Library Carpentry - Instructor

##### California Academic and Research Libraries (CARL) 2012 – 2015, 2020 - current

- CARL Information Technology Interest Group (CARL-IT), Steering Committee.

##### American Society for Engineering Education (ASEE) (2005 – 2009)

- Engineering Library Division (ELD), member.
- ASEE-ELD Mentoring Committee 2005-2009