Jane Frazier

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information scientist & user researcher

Experience

Data Librarian

Australian National Data Service; Melbourne, VIC – August 2014 - present

I enable and support Australian researchers by facilitating the description, preservation, publication, sharing, discovery and reuse of their research data. I provide specialist knowledge and support for internal ANDS projects and for institutional partners to advance their research data management activities, including the following activities:

Chair, ANDS Metadata Advisory Group
- Training for providers of metadata to Research Data Australia
- Metadata creation best practice training and support to institutional partners
- Provide metadata best practice advice and support to institutional partners
- Identify internal and external metadata issues and provide solutions

Member, ANDS Business Solutions Working Group
- Address issues related to ANDS digital services and applications
- Create and discuss proposals for changes in services and applications
- Create proposals for metadata schema changes to the RIF-CS Advisory Board

Institutional partner data & RDA metadata consultancy: Australian National University
- Provide research data management guidance and support
- Support data interoperability between ANDS systems and ANU systems
- Perform metadata mapping and XSL transformations

ANDS Vocabulary Service
- Systems & business analysis
- Metadata schema research and development
- UI design and mockup work
- Write and publish user support documentation
- Creation and coordination of development tasks and user stories
- Engage with partners to facilitate uptake and use of the tool

Co-organiser, 23 [Research Data] Things international program, 2016
- Creation and administration of collaborative Meetup space
- Creation and administration of 30+ Credly digital badges

CSIRO Summer of Vocabularies, 2015
- Metadata schema research and development
- Support for transforming non-machine-friendly controlled vocabularies

VOCRAM: A collaborative vocabulary creation & management system, 2015
- Requirements gathering and synthesis across multiple stakeholder institutions
- Environmental scan and selection of thesaurus software

ANDS Content Providers Guide restructure, 2014
- LibGuides administration

Product Manager: Data
Stanley Gibbons; Raleigh, NC – March - June 2014

Worked in an Agile environment to lead a team of 3 engineers and 1 designer in building applications to facilitate user within and outside of the organisation to find information about collectibles. We worked to develop the management and retrieval of collectibles data, including the following initiatives:

- Developed the search & browse experience in a new collectibles marketplace, including faceted navigation, search engine optimisation, and microdata.
- Developed the connection of a newly constructed master data management system to an internal inventory management system (Magento) and to internal legacy products.
- Developed a bulk uploader to import multiple formats of legacy data into the new master data management system, including complex business logic and error handling.
- Constructed and performed external user surveys to inform the developing architecture of the new collectibles marketplace.
- Developed mappings between technical philatelic terminology used by internal stamp experts in the master data management system and novice philatelic terminology used by collectibles marketplace users.

Associate Product Manager
Stanley Gibbons; Raleigh, NC – May 2013 - February 2014

Worked in an Agile environment to perform user research for and lead a team of 8 engineers and 1 designer as product owner to build a master data management system for description of postage stamps, coins, and other types of collectibles. The user interface on this system interacts via API with an underlying database. The API architecture of the system allows data it holds to be consumed by the user interface and other applicable systems. I established a great relationship with an international group of users to plan and build new infrastructure & systems to support the description of collectibles, the creation of print publications, and the management of catalogue data for the entire company. I led the following initiatives:

- Contextual inquiry & business analysis which informed the product's architecture
- Metadata standards development for the new master data management system
- Taxonomy development & documentation for internal user base which was used to construct data entry workflows in the master data management system
- Data mapping and migration from unstructured data in a legacy system to a structured format in the new product
- Educational sessions in data capture and data description best practices
- Database design documentation
- UI design & mockup work
- Usability testing
- User story & acceptance criteria development

Research Assistant

UNC-Chapel Hill Metadata Research Centre – 2011-2013

Collaborated on research projects funded by the National Science Foundation and the Institute of Museum and Library Sciences. Participated in a Helping Interdisciplinary Vocabulary Engineering (HIVE) research project in which our team developed a test collection for the evaluation of automatic subject indexing processes for the Dryad data repository. In this study, I explored conceptual mapping issues between user-generated tags found in Dryad and terms in three selected scientific controlled vocabularies.

Developing a test collection for the evaluation of automatic subject indexing in a scientific data repository, Greenberg, Willis, Frazier, Carver, 2013.

Curatorial Assistant

Dryad Digital Repository, Durham, NC – 2011-2013

Worked in a digital data repository context, managing scientific datasets which underlie peer-reviewed publications in the biosciences. Evaluated items for accuracy and completeness in order to determine their inclusion in or rejection from the repository. Created item metadata, DOIs, and citations, communicated with data content creators and Dryad colleagues in order to facilitate archiving, accessibility, and preservation. Handled Creative Commons licenses, GNU General Public Licenses and human subject data anonymity issues. I performed research on user-provided subject description, and presented these findings to the lead Dryad curator. My work allows Dryad scientists to use metadata best practices to describe their data in ways that will make it highly accessible to other researchers in the future.

Subject Tagging: Recommendations for Dryad Curators and Scientists, Frazier, 2013.

Policy and Standards Division Intern

Library of Congress, Washington, D.C. – 2012-2013

Participated in the development and production of the Library of Congress Medium of Performance Thesaurus (LCMPT) and companion Data Authority Elements. This new thesaurus will be used by Library of Congress cataloguers to more thoroughly describe items in its music collection. Mapped LCMPT terms to LC Control Numbers and LC Subject Headings. Deployed LCMPT terms and data elements into the Open Metadata Registry. Presented on the deployment of the thesaurus to the Open Metadata Registry to Library of Congress staff members. After successful completion of the internship, I was appointed to the Music Library Association Bibliographic Control Subject Access Subcommittee.

Education

University of North Carolina at Chapel Hill – Master of Information Science, 2013
University of Michigan – Master of Music, 2009
University of North Carolina at Greensboro – Bachelor of Music, 2006

Skills

HTML, XML, UML, Contextual inquiry, User surveys, Wireframe modelling, ER modelling, OSX, Windows, Google Apps, Office Suite, Git, Neo4j, Balsamiq, Atlassian Suite, Trello, Wordpress, Qualtrics, OpenRefine, PoolParty thesaurus server, MultiTes Pro thesaurus

publishing workstation, Simple Knowledge Organisation System (SKOS), RDF, Mapping & Crosswalking, Taxonomies & Ontologies, International Phonetic Alphabet (IPA)

Affiliations	Dublin Core Metadata Initiative, 2016-present
	Victorian Library Technology Association (VALA), 2015-present
	Information Architecture Institute, 2014-present
	Association for Information Science & Technology (ASIS&T), 2011-present
	Association for Computing Machinery (ACM), 2012-2013
	Music Library Association (MLA), 2010-2014
Presentations/ Participation	VALA Conference: Presenter, 2016
	CSIRO Computation, Simulation Science and eResearch Conference: Presenter, 2016
	eResearch Australasia Conference: Presenter, 2015; Delegate, 2014
	LinkedOpenData-LAM Summit: Delegate, 2015
	Research Bazaar (Python stream): Delegate, 2015
	Monash Business Analytics Research Team meeting: Invited speaker, 2015
	ANDS Flying Solo: Librarians outside of traditional roles: Invited speaker, 2015
	UNC-CH ASIS&T Student Chapter: Vice President, 2011-2012
	OCLC 'Academy Meets the Real World' Summit: Delegate, 2012
	Metadata Research Center 'Metadata Marathon' Summit: Delegate, 2011
Awards	Departmental Fellowship, UNC-CH School of Information and Library Science, 2012-2013
	Research Assistantship, UNC-CH Metadata Research Centre, 2011-2013
	Carnegie Research Grant, UNC-CH School of Information and Library Science, 2012
	Metropolitan Opera National Council Auditions
	Finalist, Upper Midwest Region (St. Paul, Minnesota), 2010
	Winner, Wisconsin District (Milwaukee, Wisconsin), 2009
	Departmental Merit Scholarship, University of Michigan, 2007-2009
	Pi Kappa Lambda National Music Honor Society, 2008
Australian Visa	Temporary Business Entry (class UC) Temporary Work (Skilled) (subclass 457)
	#0039542541918
	granted 6 June, 2014
	under the name 'Priscilla Jane Smith'
References	Available upon request