

Vicky Steeves

Data Librarian

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Objective

I work to support researchers in creating well-managed, high quality, and reproducible research through integrating reproducible practices into the research workflow, advocating openness in all facets of scholarship, and building/contributing to open infrastructure.

Education

2013 – 2014 **Master of Library & Information Science**, *Simmons College*, Boston, MA.

2010 – 2013 **Bachelor of Science: Computer Science & IT**, *Simmons College*, Boston, MA.

Research Experience

Spring 2014 **Small World Project**, *Supervisor: Kathy Wisser*, Boston, MA.

Analyzed research done with social media networks on archival material and visualized the analysis using Gephi.

2012 – 2013 **Computational Linguistic Approach to Inflection in Human Speech & Difference**, *Supervisor: Nanette Veilleux*, Boston, MA.

Recorded speech exemplars and used a specialized programming language (Praat) to write a program to determine the tonal center of gravity of each exemplar and make sure that it matches the intended intonational contour.

July 2012 **Celtic Studies**, *University College Cork*, Cork, Ireland.

Completed coursework in Irish language, literature, and history.

Awards and Honors

2013 – 2014 **Dean's Fellow Award**, *Simmons College*.

Given to students that demonstrate academic excellence.

2013 **The Computer Science Award**, *Simmons College Computer Science & Information Technology Department*.

Given for excellence in Computer Science.

2012 – 2013 **Collaborative Research Experience for Undergraduates**, *Simmons College*.

A research grant given to encourage women in STEM fields to complete research studies in their fields.

2012 **Bowker Award for Travel**, *Simmons College*.

Given to undergraduates who demonstrate academic excellence, completing their studies abroad.

2010 – 2014 **Simmons College 3+1 Undergraduate and Graduate Program**, *Simmons College*.

First participant.

Professional Experience

- 2017 – **Adjunct Professor**, *Simmons College*, Boston, MA.
I teach database management online for the School of Information and Library Science.
- 2015 – **Librarian for Research Data Management & Reproducibility**, *New York University*, New York, NY, A dual appointment between NYU Division of Libraries and NYU Center for Data Science, I provide instructional and consultation services in research data management and reproducibility.
- Recent achievements:**
- Assist heavily in efforts to design a data repository and storage infrastructure for researchers.
 - Moore/Sloan Data Science Environment team member:
 - Reproducibility and Open Science working group member.
 - Libraries Working Group member.
 - Created and maintain reproduciblescience.org, a source of information for the general public interested in reproducibility, and reproduciblescience.org/nyu, a local resource for events and expertise on campus.
 - Organized the [NYU Reproducibility Symposium](#), a showcase of tools to help make the reproducibility process easy. There were also keynotes and lightning talks on case studies showing how creating reproducible experiments has helped other research groups.
- 2015 – 2016 **Interim Program Coordinator**, *Metropolitan New York Library Council*, New York, NY.
I handled the day-to-day operations of METRO's National Digital Stewardship Residency in New York program. I contributed to project planning, communications, documentation, evaluations, outreach, as well as maintained the program's web presence. I planned, organized, and ran NDSR-affiliated events, meetings, and workshops.
- 2014 – 2015 **National Digital Stewardship Resident**, *American Museum of Natural History*, New York, NY.
My project at the AMNH consisted of performing an environmental scan of the Science divisions to better understand their data storage, curation, and preservation needs. After data collection, I identified existing practices and policies for integrated data storage, access, and management. After data analysis, I recommended strategies to digitally preserve the scientific research at the AMNH.
- Spring 2014 **Archives Intern**, *Sasaki Associates*, Waterville, MA.
I processed historical architectural material and wrote the accompanying finding aid and created records for each, then catalogued the collections in Koha ILS
- 2013 – 2014 **Dean's Fellow for Technology**, *Simmons College*, Boston, MA.
I managed social media for the undergraduate science departments to generate interest in STEM at Simmons through outreach to alumnae, current students, and prospective students, working on content creation with faculty.

Recent Presentations & Publications

Vicky Steeves. "Using reprozip for reproducibility and library services.", 2017. doi: 10.17605/OSF.IO/5TM8D. Available at <https://osf.io/preprints/lissa/5tm8d/>.

Vicky Steeves. "Database: Women leaders in openness.", 2017. doi:10.17605/osf.io/5s2g6. Available at <https://osf.io/preprints/lissa/5s2g6/>.

Vicky Steeves. "Creating reproducible experiments with reprozip." In "SciPy 2017,"

2017. Available at <https://vickysteeves.gitlab.io/2017-SciPy/#/>.

Vicky Steeves. "Reproducibility Librarianship." *Collaborative Librarianship*, 9(2), jul 2017. ISSN 1943-7528. Available at = <http://digitalcommons.du.edu/collaborativelibrarianship/vol9/iss2/4>.

Vicky Steeves. "Reproducibility: the what, why, and how.", 2017. doi:10.17605/osf.io/cyr3n. Available at = <https://osf.io/preprints/lissa/cyr3n/>.

Vicky Steeves. "Open, public goods infrastructure for research management & discovery." In "IASSIST 2017," 2017. doi:10.17605/OSF.IO/SY2ZF. Available at <https://osf.io/sy2zf/>.

Vicky Steeves. "Reproducing and preserving research with reprozip." In "IASSIST 2017," 2017. Available at <https://vickysteeves.gitlab.io/2017-IASSIST-ReproZip/>.

Vicky Steeves. "Reprozip for reproducible research." In "PresQT Workshop One," 2017. doi:10.17605/OSF.IO/S6FW9. Available at <https://osf.io/s6fw9/>.

Vicky Steeves. "Reproducible computational research in the publication cycle." In "European Geosciences Union General Assembly 2017," 2017. doi:10.17605/OSF.IO/UMY6G. Available at <https://osf.io/umy6g/>.

Vicky Steeves. "Open science: Understanding modern research practices." In "Association of College and Research Libraries," 2017. Available at <https://go.g1/c5t82g>.

Rémi Rampin, Fernando Chirigati, Vicky Steeves, Dennis Shasha, and Juliana Freire. "ReproZip: The Reproducibility Packer." *The Journal of Open Source Software*, 1(8), dec 2016. doi:10.21105/joss.00107. Available at <http://joss.theoj.org/papers/10.21105/joss.00107>.

Vicky Steeves and Nicholas Wolf. "Using Openness as Foundation for Research Data Management Services." In "Library Information and Technology Association Conference," 2016. Available at <http://forum.lita.org/sessions/using-openness-as-foundation-for-research-data-management-services/>.

Karl-Rainer Blumenthal, Peggy Griesinger, Julia Kim, Shira Peltzman, and Vicky Steeves. "What makes a digital steward: A competency profile based on the National Digital Stewardship Residencies." In "iPres: 13th International Conference on Digital Preservation," doi:10.17605/OSF.IO/XFC26. Available at <https://osf.io/xfc26/>.

Vicky Steeves and Rémi Rampin. "ReproZip: Reproducibility with Ease." In "DASPOS: Container Strategies for Data & Software Preservation that Promote Open Science," doi:10.17605/OSF.IO/AQZTF. Available at <https://osf.io/aqztf/>.

Vicky Steeves, Kevin B. Read, and Andrew S. Gordon. "Collaborating to Create a Culture of Data Stewardship." In "Research Data Access and Preservation Summit," 2016. Available at <http://hdl.handle.net/2451/38185>.

Vicky Steeves, Kevin B. Read, and Andrew S. Gordon. "Bridging the Gap: Improving Data Services through Cross-Campus Collaboration." In "University of Massachusetts and New England Area Librarian e-Science Symposium," 2016. Available at http://escholarship.umassmed.edu/escience_symposium/2016/posters/2/.

Andreas Wolke, Martin Bichler, Fernando Chirigati, and Victoria Steeves. "Reproducible experiments on dynamic resource allocation in cloud data centers." *Information Systems*, 2016. ISSN 0306-4379. doi:10.1016/j.is.2015.12.004. Postprint available at <https://arxiv.org/abs/1703.00042>.

Vicky Steeves. "Organizational implications of data science environments in education, research, and research management in libraries." In "Coalition for Networked Information Fall Meeting," 2015. doi:<http://doi.org/10.17605/OSF.IO/RHGQ3>. Available at <https://osf.io/rhgq3/>.

Vicky Steeves. "Preserving scientific research data at the american museum of natural history.", 2015. Available at <https://web.archive.org/web/20161111234604/https://www2.archivists.org/sites/all/files/MAS%20Newsletter%20Summer%202015-new.pdf>.

Vicky Steeves. "The next frontier of stewardship: the value of field books in a digital age.", mar 2015. Available at <http://nmnh.typepad.com/fieldbooks/2015/03/steeves-post-wip.html>.

Vicky Steeves. "Ndsr-ny notes from the field: Preserving scientific data at the american museum of natural history." In "Preservation and Archiving Special Interest Group Meeting," 2015.

Vicky Steeves. "Panelist: The next generation of digital stewards: the ndsr program." In "Mid-Atlantic Regional Archives & New England Archivists Conference," 2015.

Vicky Steeves. "Panelist: Ndsr-ny: Year one." In "METRO Annual Conference 2015," 2015.

Other Professional Output

Open Source Contributions

Created a [Reproducibility RSS feed](#) to publish, in a single place, news, resources, and other links surrounding reproducibility, replication, and good and open science.

Wrote a Twitter bot [@ReproFeed](#) to automatically tweet out RSS feed as it updates.

Co-director of the [LIS Scholarship Archive](#). A partnership with the Center for Open Science & the LIS community to build a place for LIS scholars to share their work.

Serve as an Open Science Framework Ambassador

Participant in the 2016 SHARE Curation Associates program

Participant in the 2016 eDLF Data Management Cohort

Computer skills

Programming Languages Python, R, Java, C, C++, Objective C, Perl, PHP, SQL, HTML, CSS, JavaScript (including key libraries), jQuery, AJAX, and Praat

Operating Systems Ubuntu Linux, Microsoft Windows, Mac OSX

Library Standards XML, XSLT, DDI, EAD, DACS, PREMIS, MARC, Dublin Core

Professional Memberships

2014 – 2016 **American Library Association.**
2012 – **Association for Computing Machinery.**

Employment History

2017 – **Adjunct Professor**, *Simmons College*, Boston, MA.

2015 – **Librarian for Research Data Management & Reproducibility**, *New York University*, New York, NY.

2015 – 2016 **Interim Program Coordinator**, *Metropolitan New York Library Council*, New York, NY.

2014 – 2015 **National Digital Stewardship Resident**, *American Museum of Natural History*, New York, NY.

2013 – 2014 **Dean's Fellow for Technology**, *Simmons College*, Boston, MA.

2013 – 2014 **Technical Resource Assistant**, *Simmons College*, Boston, MA.
Provide technical instruction to students, staff, and faculty at the Graduate School of Library and Information Science (GSLIS). Troubleshoot hard/software issues within GSLIS for students, staff, and faculty.

2011 – 2013 **Teacher's Assistant**, *Simmons College Computer Science Department*, Boston, MA.
Assist in creating classwork, homework, and quizzes for students to complete. Grade students' work and report these grades to the instructor.

2011 – 2013 **Lab Monitor**, *Simmons College Computer Science Department*, Boston, MA.
Assist students with troubleshooting soft/hardware issues. Repair and maintain computers in the computer science laboratory.