

# Patrick Golden

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## EDUCATION

- **Ph.D.**, Information and Library Science, University of North Carolina at Chapel Hill, in progress. Advisor: Ryan Shaw.
- **B.A.**, History, University of California at Berkeley, 2010.

## RESEARCH EXPERIENCE

- **School of Information and Library Science, University of North Carolina at Chapel Hill**  
*2013 - present*  
Research assistant to Professor Ryan Shaw. Worked on implementing server and client interface for *PeriodO* (<http://perio.do/>), a Linked Data repository for historical periodization data.
- **Goldstein Lab, University of North Carolina at Chapel Hill**  
*2015 – 2020*  
As a software developer and expert in information organization, developed DrEdGE, a tool for visualizing RNA sequencing data for biologists.
- **School of Information, University of California at Berkeley**  
*2010 - 2013*  
As part of the *Editorial Projects and the Web* project, implemented a website called *Editors' Notes* (<http://editorsnotes.org>) to allow historians and other humanities scholars to create, share, and preserve their working notes online. Principal investigator: Michael Buckland.
- **Emma Goldman Papers Project, University of California at Berkeley**  
*2008-2011*  
Contributed research, fact-checking, and digital assistance to a multi-volume scholarly edition of the collected works of Emma Goldman, an American anarchist in the late nineteenth and early twentieth centuries.

## REFEREED WORKS

### *Book chapters*

Rabinowitz, A., R. Shaw, and P. Golden. "Making up for lost time: Digital epigraphy, chronology, and the PeriodO project." *Digital Epigraphy*. De Gruyter Open, 2018.

Shaw, R., Golden, P., and Buckland, M.. "Using linked library data in working research

notes.” In Cervone, F. and Svensson, L, eds., *Linked Data and User Interaction*. De Gruyter Saur, Berlin, 2015.

### *Journal articles*

- Tintori, S. C., Golden, P., and Goldstein, B. 2020. “Differential Expression Gene Explorer (DrEdGE): a tool for generating interactive online visualizations of gene expression datasets.” *Bioinformatics* 36:18. <https://doi.org/10.1093/bioinformatics/btz972>
- Rabinowitz, A., R. Shaw, S. Buchanan, and P. Golden. 2016. “Making sense of the ways we make sense of the past: the PeriodO project.” *Bulletin of the Institute of Classical Studies* 59:2.
- Tintori, S. C., Osborne Nishimura, E., Golden, P., Lieb, J. D., and Goldstein, B. 2016. “A Transcriptional Lineage of the Early *C. elegans* Embryo.” *Developmental Cell* 38:4. <https://doi.org/10.1016/j.devcel.2016.07.025>
- Golden, P., R. Shaw. 2016. “Nanopublication beyond the sciences: The PeriodO period gazetteer.” *PeerJ Computer Science* 2:e44. <https://doi.org/10.7717/peerj-cs.44>
- Shaw, R., Rabinowitz, A., Golden, P., and Kansa, E. 2015. “A sharing-oriented design strategy for networked knowledge organization systems.” *International Journal on Digital Libraries*.

### *Conference papers*

- Post, C., P. Golden, R. Shaw. 2018. “Never the same stream: netomat, Xlink, and metaphors of Web documents. In *Proceedings of the 18th ACM Symposium on Document Engineering* (Halifax).
- Shaw, R., A. Rabinowitz, P. Golden. 2018. “A deep gazetteer of time periods.” *Digital Humanities Conference 2018* (Mexico City).
- Golden, P., R. Shaw. 2015. “Period assertion as nanopublication.” In *Proceedings of the 24th International Conference on World Wide Web companion* (Florence).
- Golden, P., R. Shaw, M. Buckland. 2014. “Decentralized Coordination of Controlled Vocabularies.” In *Proceedings of the 77th ASIS&T Annual Meeting* (Seattle).
- Shaw, R., M. Buckland, and P. Golden. 2013. “Open notebook Humanities: Promise and problems.” *Digital Humanities Conference 2013* (Lincoln, Nebraska).
- Shaw, R., P. Golden, and M. Buckland. 2013. “Using linked library data in working research notes.” *Workshop on user interaction built on library linked data (UILLD)*, Pre-conference to the 79th World Library and Information Conference (Singapore)
- Shaw, R. and P. Golden. 2013. “Taking entity reconciliation offline.” In *Proceedings of the 76th ASIS&T Annual Meeting* (Montreal).
- Shaw, R., P. Golden, and M. Buckland. “Integrating Collaborative Bibliography and Research.” In *Proceedings of the 75th ASIS&T Annual Meeting* (Baltimore).

## **NON-REFEREED WORKS**

Tintori, S., P. Golden, and B. Goldstein. 2019. "Differential Expression Gene Explorer (DrEdGE): A tool for generating interactive online data visualizations for exploration of quantitative transcript abundance datasets." Preprint. *bioRxiv*.  
<https://doi.org/10.1101/618439>

## **PRESENTATIONS**

"The tyranny of widgets: Schema.org and the enclosing of RDF." 4S Annual Meeting, New Orleans, LA, September 5, 2019.

"PeriodO 2: Linking, discovering, and reconciling information about the past." Electronic Cultural Atlas Initiative Workshop, San Francisco, CA, October 27, 2018.

"Florilegia: Organizing scholarly annotations in PDFs." Future of Scholarly Publishing Workshop, Halifax, Nova Scotia, August 28, 2018.

"Working notes as an archival challenge." California Society of Archivists Annual Meeting, Berkeley, California, April 13, 2013.

"Editorial practices and the Web." UC Berkeley iSchool Friday Afternoon Seminar, Berkeley, California, February 3, 2012.

## **COURSES TAUGHT**

- INLS 490-186: A Digital Gazetteer of North Carolina. Spring 2020.
- INLS 620: Web Information organization. Fall 2019.
- INLS 740: Digital Libraries. Spring 2017 (Online).

## **SERVICE EXPERIENCE**

- Doctoral student representative, Research and Doctoral Committee, UNC School of Information and Library Science. August 2016 – May 2017.
- Doctoral student representative, Hiring Committee, UNC School of Information and Library Science. July 2017 – January 2018.

## **AWARDS**

- Finalist, Best Paper Award, ACM Symposium on Document Engineering, 2018
- Royster Fellowship, Graduate School, University of North Carolina at Chapel Hill, 2015.