

# John Kratz, PhD

## EXPERIENCE

### UNIVERSITY OF CALIFORNIA, OFFICE OF THE PRESIDENT

California Digital Library | Oakland, CA

User Experience Designer | 2015 - present

- **Role:** Member of central UX department; full-spectrum UX research and design on projects including **Dash** (research data publication service), **eScholarship** (institutional repository and publishing platform), **DMPTool** (assistant for writing data management plans), and CDL website redesign.
- **Design:** Write use cases and user stories. Build low- and high-fidelity wireframe and prototype responsive designs. Liaise between back-end developers, front-end developers, and external visual designer.
- **Research:** Qualitative and quantitative information architecture research—including interviews and both moderated and unmoderated card-sorting and tree-test exercises. Design, administer, and analyze usability tests using prototypes and beta software. Conduct comparative analyses to inform product design. Design and analyze Google Analytics experiments to yield actionable recommendations. Create cross-service user personas to facilitate unified and interoperable services.

CLIR/DLF Postdoctoral Fellow in Data Curation | 2013 - 2015

- Studied current practices, attitudes, and values around research data in the library, publishing, and research communities. Designed, administered, and analyzed online surveys to understand user needs around research data publication. Investigated data metrics using surveys and focus groups, driving functional requirements for Dash and the **Make Data Count** service.

### COLUMBIA UNIVERSITY

Department of Biological Sciences | New York, NY

PhD Candidate | 2002 – 2010

- Applied methods from neurobiology, bioinformatics, and genetics to study the nematode representatives of an ancient and ubiquitous protein family. Collaborated with WormAtlas to characterize protein family expression and subcellular localization.

### JOHNS HOPKINS UNIVERSITY

Department of Neuropathology | Baltimore, MD

Senior Laboratory Technician | 2000 - 2002

- Studied role of Wnt signaling pathways in a common pediatric brain tumor. Characterized transgenic mouse strains and managed mouse colony.

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LinkedIn: [johnkratz](https://www.linkedin.com/in/johnkratz)

## EDUCATION

### COLUMBIA UNIVERSITY

New York, NY

PhD in Biological Sciences |  
October 2010

### RICE UNIVERSITY

Houston, TX

BFA in Photography | May 2000

BA in Biology | May 1999

### UCSD EXTENSION

San Diego, CA

C/C++ Programming Certificate |  
December 2012

## SKILLS

### User Experience Design

Workflows • Wireframes •  
Interactive Prototypes •  
Responsive Design • Accessible  
Design • Visual Design

### Research & User Modeling

Survey Design and Analysis • User  
Interviews • Usability Testing •  
User Personas • Comparative  
Analysis

### Computer & Software

UX Design: Axure, Adobe  
Illustrator, Sketch

UX Research: Optimal Workshop,  
Google Analytics

Data Analysis: Jupyter, Pandas,  
SciPy • Imaging: Adobe  
Photoshop, ImageJ

Language/Syntax: HTML, CSS,  
C/C++, LaTeX, Markdown

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## AFFILIATIONS & SERVICE

Berkeley Institute for Data Science | 2015 - present  
Future of Research Communications and e-Scholarship (FORCE11) | 2014 - present  
Data Citation Implementation WG | 2014 - present  
Software Citation WG Research Data Alliance (RDA) | 2014 - present  
Co-Chair, Data Bibliometrics WG  
Electronic Frontier Foundation | 2008 - present

## FELLOWSHIPS

FORCE11 Travel Fellowship | 2016  
RDA/US Fellowship | 2014 - 2015  
CLIR/DLF Postdoctoral Fellowship in Data Curation for the Sciences and Social Sciences | 2013-2015  
National Institutes of Health Training Grant 2005 | 2007  
Columbia University Presidential Fellowship | 2002 - 2010

## SELECTED PUBLICATIONS

J. E. Kratz and C. Strasser, *Making data count*. Sci Data 2:150039 (2015). doi:10.1038/sdata.2015.39  
J. Star, E. Castro, M. Crosas, M. Dumontier, R. R. Downs, R. Duerr, L. Haak, M. Haendel, I. Herman, S. Hodson, J. Hourclé, **J. E. Kratz**, Lin J, Nielsen LH, Nurnberger A, Pröll S, Rauber A, Sacchi S, Smith AP, Taylor M, Clark T. *Achieving human and machine accessibility of cited data in scholarly publications*. PeerJCompSci: 1e1 (2015). doi:10.7717/peerj-cs.1  
**J. E. Kratz** and C. Strasser, *Researcher perspectives on publication and peer review of data*. PLOS ONE 10(2): e0117619 (2015). doi:10.1371/journal.pone.0117619  
**J. E. Kratz** and C. Strasser, *Data publication consensus and controversies*. F1000Research 3:94 (2014). doi:10.12688/f1000research.3979.3  
**J. E. Kratz**, *What is the circadian clock?* in The Where, The What & The How: 75 Artists Illustrate the Wondrous Mysteries of the Universe. Ed. Julia Rothman. ChronicleBooks, September 2012. isbn:9781452108223  
**J.E Kratz**, *Prohibitin Homology Domain Proteins in Caenorhabditis elegans*. Doctoral Dissertation, Columbia University (2010). doi:10.7916/D88051FN

## SELECTED PRESENTATIONS

**J. E. Kratz**, J. Chodacki, S. Abrams, M. Strong, D. Moles, and B. Vedula, *Dash: Data Sharing Made Easy*. Poster, FORCE2016, Portland, Oregon (April 18, 2016). doi:10.6084/m9.figshare.3180007.v1  
**J. E. Kratz**, S. Abrams, S. Faenza, S. Fisher, N. Hoebelheinrich, M. Strong, and B. Vedula, *Dash: Data Sharing Made Easy*. Presentation, RDA 6th Plenary Meeting. Paris, France (September 23, 2015). doi:10.5281/zenodo.32181  
C. Duke, T. Vision, R. Wakimoto, M. Ramamurthy, **J. E. Kratz**, *'Data' Panel*. Panel discussion, Arnold Workshop II: Reproducibility in the Field Sciences. Washington, D.C. (May 11, 2015).  
D. Valen, J. Cachat, A. E. Hodge, and **J. E. Kratz**, *Navigating the data management ecosystem*. Panel discussion, Shaking It Up: Challenges and Solutions in Scholarly Information Management. San Francisco, California (April 22, 2015).  
J. Lin, M. Jones, M. Fenner, and **J. E. Kratz**, *Making Data Count: Measuring Data Use and Reach*. Presentation, DataONE Webinar Series (April 14, 2015).  
**J. E. Kratz** and C. Strasser, *Making Data Count*. Presentation, RDA 5th Plenary Meeting. San Diego, California (March 9, 2015).  
**J. E. Kratz** and C. Strasser, *Researcher perspectives on publication and peer review of data*. Poster, FORCE 2015. Oxford, UK (January 12, 2015). doi:10.5281/zenodo.13967  
J. E. Kratz and C. Strasser, *What does "data publication" mean to researchers?* Presentation, DLF Forum. Atlanta, Georgia (October 27, 2014). doi:10.5281/zenodo.13969