

# TaraZepel

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## EDUCATION

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### University of California, San Diego

PhD in Art History, Theory and Criticism, January 2018.

Dissertation: "Contemporary Visualization: A Cultural History and Close Readings"

Advisor: Lev Manovich

### Duke University

BA in Literature, May 2006.

*summa cum laude*, Phi Beta Kappa, Highest Departmental Honors.

## RESEARCH AND TEACHING INTERESTS

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Data visualization practice and history

Computer Vision

Digital humanities

New media and digital culture

Interdisciplinary communication and translation

## PUBLICATIONS

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Shiri, P., Lai, V., Zepel, T., Griffin, D., Reifman, J., Clark, S., Grunert, S., Yunker, L. P. E., Steiner, S., Situ, H., Yang, F., Prieto, P. L., & Hein, J. E. (2021). Automated solubility screening platform using computer vision. *iScience*, 24(3). <https://doi.org/10.1016/j.isci.2021.102176>

Shi, Y., Prieto, P. L., Zepel, T., Grunert, S., & Hein, J. E. (2021). Automated Experimentation Powers Data Science in Chemistry. *Accounts of Chemical Research*. <https://doi.org/10.1021/acs.accounts.0c00736>

Shiri, P., Lai, V., Zepel, T., Griffin, D., Reifman, J., Clark, S., Grunert, S., Yunker, L., Steiner, S., Situ, H., Yang, F., Prieto, P., & Hein, J. (2020). *Automated Solubility Screening Platform Using Computer Vision*. <https://doi.org/10.26434/chemrxiv.13198688.v1>

Zepel, T., Lai, V., Yunker, L. P. E., & Hein, J. E. (2020). *Automated Liquid-Level Monitoring and Control using Computer Vision*. <https://doi.org/10.26434/chemrxiv.12798143.v1>

Zepel, T. (2018). *Contemporary Data Visualization: A Cultural History and Close Readings* [PhD Dissertation, UC San Diego].

Manovich, L., Douglass, J., & Zepel, T. (2012). How to Compare One Million Images? In D. Berry (Ed.), *Understanding Digital Humanities*. Palgrave Macmillan UK. <https://doi.org/10.1057/9780230371934>

Zepel, T. (2011, April 6). Revisiting the Twitter Experiment (In Context). *The New Everyday*. <http://mediacommons.org/tne/pieces/revisiting-twitter-experiment-context-0>

Zepel, T. (2011). Cultural Analytics at Work: The 2008 U.S. Presidential Online Video Ads. In *Video Vortex Reader II: Moving Images Beyond Youtube*. Institute of Network Cultures.  
*Tijuana/San Diego: Cooperation and Confrontation at the Interface*, catalogue interviews. gallery@galit2, University of California, San Diego, 2009.

## PRESENTATIONS and WORKSHOPS

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"Data Visualization for Impactful Science Communication," AWIS East Bay, October 29, 2020.

"Situated Data Viz: Context, Interaction & Building Meaning," Critical Visualization for Humanities Research: Designing for People, Context and Politics, Vancouver, Canada, March 4, 2020 (Workshop co-organizer).

"Situated Visualization: Emotion and Ethics in U.S. Gun Deaths," *Museums and the Web*, MWX Grad School Colloquium, Chicago, April 8-11, 2015.

"Visualization as Process, Not Product," *Cultural Analytics, Information Aesthetics, and Distant Reading*, Leuphana University, Lüneberg, Germany, July 4-5, 2014.

"What is Visualization in Digital Art History?" *THATCamp CAA 2014*, Chicago, Feb 10-11, 2014 (Invited Speaker).

"Visualization as a Digital Humanities \_\_\_\_\_?" *The Storm of Progress: New Horizons, New Narratives, New Codes*, HASTAC 2013, Toronto, April 25-28, 2013.

"@Student in the #University Lecture Hall: Informal Twitter Use and Shifting Walls" with Angela Kim and Lorraine Graham. Panel on Education (In So Many Words), *Mobility Shifts* Conference, New School, New York, October 11-16, 2011.

"Distributed Objectivities of Imagining: The generative scholarship driving Networked," *Networked Humanities: Art History in the Web*, ESF Research Conference. Acquafredda di Maratea, Italy, 2010.

Evolutionary Origins of Aesthetics, CARTA Symposium. Graduate Student Respondent with V.S. Ramachandran, UC San Diego, San Diego, March 20, 2009.

## ART AND EXHIBITIONS

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*Mapping Time*, exhibition of the Software Studies Initiative. gallery@galit2, UC San Diego, 2010.

Software Studies Visualizations of "Science" with Lev Manovich and William Huber. *Here Not There: San Diego Art Now*, Group Exhibition. Museum of Contemporary Art San Diego, 2010.

*The Siamese Connection*, film by Joshua Gibson. Editorial and Production Assistant, 2008.

## RESEARCH EXPERIENCE

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### Hein Lab, University of British Columbia

Vancouver, British Columbia

Postdoctoral Fellow, Jan 2019 - present

### Insight Data Science

Palo Alto, California

Fellow, Winter 2018

### Software Studies Initiative

University of California, San Diego and CUNY Graduate Center

Graduate Researcher, 2009-2015

### Humanities, Arts, Science, and Technology Alliance and Consortium (HASTAC)

HASTAC Scholar, 2012-2014

### D:GP | The Center for Design and Geopolitics

University of California, San Diego  
Graduate Researcher, 2011

**UCLA Art | Sci Center**

University of California, Los Angeles  
Associate Researcher, 2007-2008

**TEACHING EXPERIENCE**

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**2013/2014** Barbara and Paul Saltman Excellent Teaching Award, Graduate Students

**Adjunct Lecturer**, Cal Poly San Luis Obispo

Introduction to Media Arts & Technologies (Fall '15, Spring '16)  
Topics in Values, Media & Culture – Studying “Selfies” (Winter '15, Spring '16)

**Teaching Assistant and Writing Instructure**, University of California, San Diego

Public Rhetoric and Practical Communication (Prof. Diane Forbes), Fall 2014  
The Book in the Digital Age (Prof. Jessica Pressman), Winter 2014  
Demonstrating Expertise Through Digital Media (Prof. Joe Bigham), Summer and Fall 2013, Winter 2011  
Religion and Technology (Prof. R. Westman) UCSD, Winter 2013  
Designing Rhetorical Acts (Prof. Alex Sartor), Fall 2012  
CAT3: The Rise & Globalization of Hip-hop (Prof. Camille Forbes), Spring 2012  
Public Rhetoric and Practical Communication Online (Prof. Elizabeth Losh), Winter, 2012  
Media Seductions: Influence Theory from Plato to Battlefield (Prof. Elizabeth Losh), Fall 2011  
Capstone Writing Course in Culture, Art & Technolgoy, (Prof. Mark Hinline), Spring and Fall 2010  
Origins (Prof. Guillermo Algaze), Fall '09

**Teaching Assistant at UCSD and Duke University**

Formations of Modern Art, Modern Art, S. Yard, UCSD (Winter '09)  
Introduction to African Art, B. Blackmun, UCSD (Fall '09)  
Introduction to Digital Film Production, J. Gibson, Duke (Fall '06)

**PROFESSIONAL EXPERIENCE**

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2013-2014	UC San Diego Humanities Center, Student Advisor Board Member
2008-2013	<i>Version</i> , Managing Editor, UC California, San Diego
2011	“Designing Geopolitics,” Conference Organizer, D:GP, UC San Diego, June 2-3, 2011
2010	“Permanent Transition,” Conference Co-organizer, UC San Diego, April, 2010
2008	<i>Pros</i> , Founding Member, UC San Diego
2007-2008	GRIFFIN Gallery, Project Manager, Santa Monica, California
2006	Hard Light, Production and Post-Production Assistant, Durham, North Carolina
2005-2006	Strategic Planning Committee on the Arts, Student Board Member, Duke Univ.
2003-2006	Nasher Museum of Art, Student Board Member, Duke Univ.
2005	Exit Art, Curatorial Intern, New York