

Alternative Infrastructures for Digital Projects

...

Dawn Childress & Andy Rutkowski, UCLA Digital Library Program

DH Infrastructure Symposium, February 2016, Los Angeles

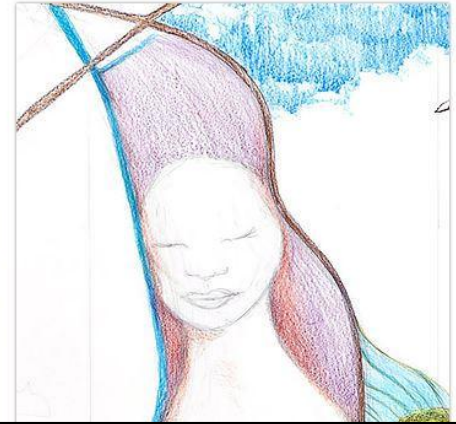
"City in Mind: a Lyrical Map of the Concept of Los Angeles"

- an illustrated literary map of L.A.

An Illustrated Literary Map of Los Angeles, Re-Imagined and Drawn to Scale
(1 foot on the map = 1 mile of Los Angeles).

Created by J Michael Walker, 2011, with special support and sage counsel from David Kipen and Colleen Jaurrette. Color pencil on polypropylene paper, 50" high x 256" wide.

Acquired by the Special Collections of the UCLA Library.



Griffith Observatory

Ballin was commissioned to paint numerous murals in Los Angeles, including the ceiling and murals at the Griffith Observatory. The Ballin mural celebrates classical celestial mythological images of Atlas, the four winds, the planets, and the twelve constellations of the zodiac. The rectangular Ballin wall murals depict the 'Advancement of Science' with panels on aeronautics, navigation, civil engineering and electricity, time, geology and biology, mathematics and physics. Ballin's lunette (1930) at the First National Bank in La Jolla, depicted here, has since been demolished.

"There is everything in Los Angeles...
like Venice in the 17th century -
where East and West would meet"




Los Angeles: The City and the Library

Colleen Jaurrette, Editor

The City and the Library is a freshman composition class that trains students in research and writing, all the while asking them to engage the city around them through direct encounter and library research. The capstone of the class requires students to work directly with the Library's archives, touching and pondering evidence of the city past. This website houses images of those archival artifacts as well as the students' annotations of the material, cross-referenced by subject and geography. It represents a collaboration between UCLA Writing Programs and the UCLA Library. The class began in Fall 2013, the digital project in Fall 2015; both are ongoing.

From Lyrical Map to Digital Project(s)

- Relationship between archival object (or place, research object, etc.) and how to share it on the web.
 - selection
 - documentation
 - description
 - citation
- working collaboratively (even when working alone)




The map shows the city of Santa Ana, California, with a red line indicating the location of the water tower. The map includes labels for 'Santa Ana', 'South Santa Ana', 'Costa Mesa', and 'San Diego'. A red line runs diagonally across the map, with several black dots marking specific locations. The text 'Santa Ana Water Tower' is visible on the map.

Santa Ana Water Tower

Jorge Enrique Quiroz Moreno (Winter 2016)

Santa Ana is a Barrio Suburb that's late transformation occurred from a historically exclusive majority White Conservative city in Republican dominated Orange County into a Barrio Suburb. A historically agricultural region, Orange County controlled Chicano/a's through social repression, as well as through economic, educational, and housing control. Diaz describes Chicano/a's as, "relegated to second-tier status...the community resided in small agricultural encampments or segregated barrios" (Diaz 265). The transformation from an agriurb that enforced a colonial economy to an industrial and working class suburb changed the dynamics of the cities population. Diaz's book *Barrio Urbanism* Chicanos, Planning and American Cities, details how capitalism's globalization contributed to the need for service oriented labor, therefore, an influx of Mexican American, and Mexican immigrants filled in the void of low wage workers described as, "suburbanization



The photograph shows the Santa Ana Water Tower, a tall, cylindrical structure with a lattice-like exterior and a flat top. The tower is set against a clear sky. The text 'SANTA ANA' is visible on the top of the tower.

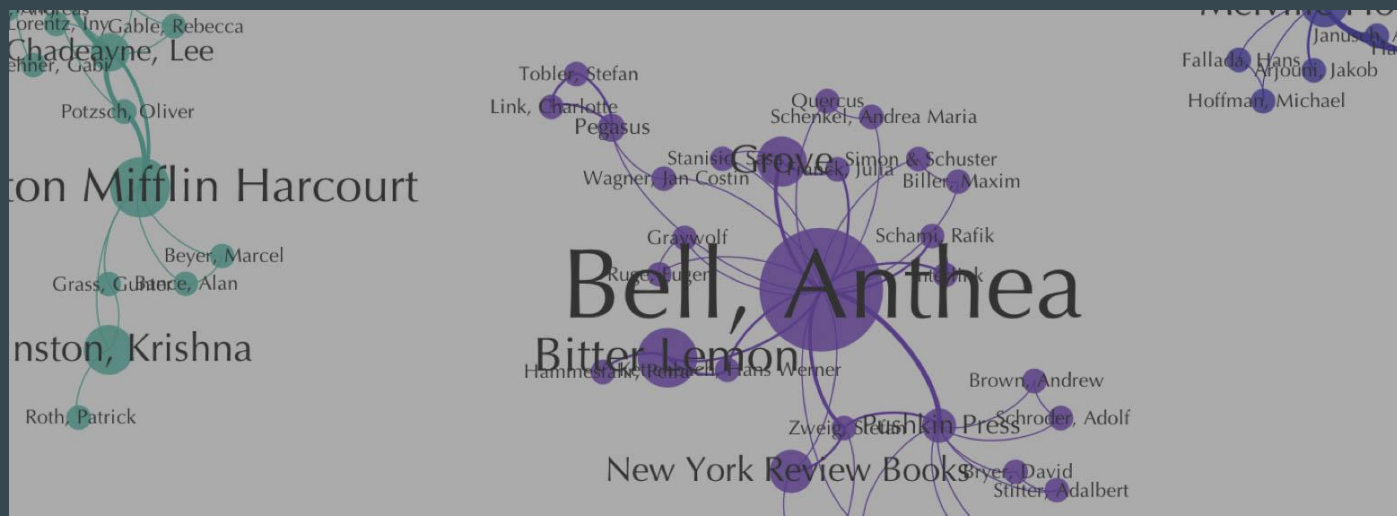
Previous Next

Building our own project in GitHub

- “Mapping Maupassant’s *Bel-Ami*”
 - We wanted:
 - Out of the CMS (Wordpress)
 - Collaborative, open, flexible
 - Exposure to DH / tech skills
 - Continued development: Markdown support, digital edition feature, narrative order
 - Developed “Boulevardier”
 - How else might we use these open, lightweight technologies?
-

How Humanists are Using GitHub

Publishing scholarship or personal web pages



About the Project

Analyzing literary translation networks to better
understand translation communities and learn about

graph theory

Workshop / classroom materials

BUILDING CAPACITY WITH CARE

WORKSHOP CFP INSTRUCTORS SCHEDULE



Building Capacity with Care

Graduate Students and DH work in the Library

DH 2016, Kraków, Poland

[View workshop materials on GitHub](#)

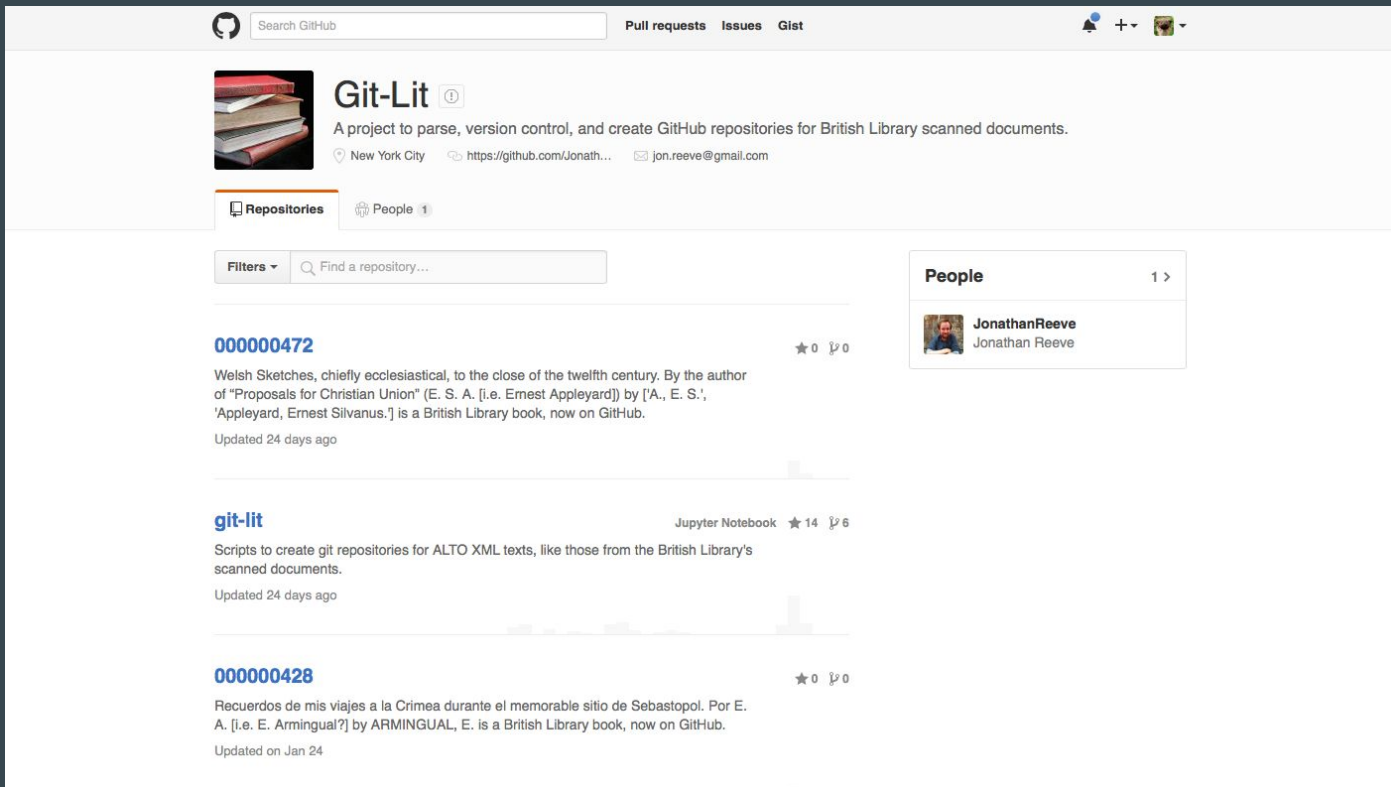
or

[Apply for the workshop](#)

[Home](#) [Workshop](#) [CFP](#) [Instructors](#)

© 2016 Building Capacity with Care powered by Jekyll + Skinny Bones.

Collaborative, community, or crowdsourced projects



The screenshot shows the GitHub profile of Jonathan Reeve. The profile header includes the GitHub logo, a search bar, and navigation links for 'Pull requests', 'Issues', and 'Gist'. The profile name 'Jonathan Reeve' is displayed with a bio: 'A project to parse, version control, and create GitHub repositories for British Library scanned documents.' The location 'New York City' and contact information are also visible.

The 'Repositories' tab is selected, showing a list of repositories. The first repository is '000000472', which is a book titled 'Welsh Sketches, chiefly ecclesiastical, to the close of the twelfth century. By the author of "Proposals for Christian Union" (E. S. A. [i.e. Ernest Appleyard]) by [A., E. S.], Appleyard, Ernest Silvanus.' It has 0 stars and 0 forks. The second repository is 'git-lit', which is a 'Jupyter Notebook' containing 'Scripts to create git repositories for ALTO XML texts, like those from the British Library's scanned documents.' It has 14 stars and 6 forks. The third repository is '000000428', which is a book titled 'Recuerdos de mis viajes a la Crimea durante el memorable sitio de Sebastopol. Por E. A. [i.e. E. Armingual?] by ARMINGUAL, E. is a British Library book, now on GitHub.' It has 0 stars and 0 forks.

On the right side of the profile, there is a 'People' section showing one collaborator: Jonathan Reeve.

GitBook

[MY BOOKS](#)[HELP](#)[EXPLORE](#)[+ NEW](#)

Crafting Digital History

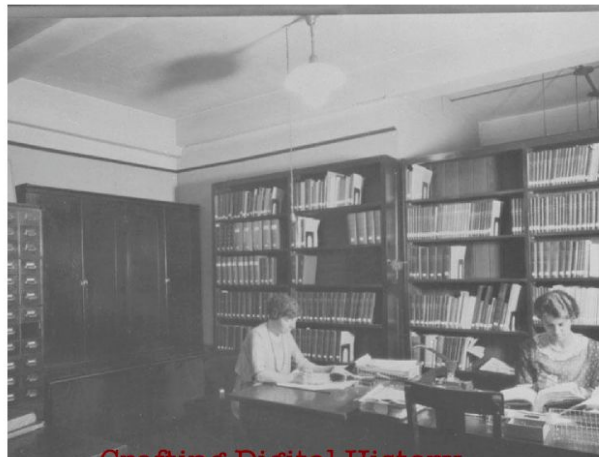
Course Workbook for HIST3907o @Carleton_U Winter 2016 Version by Shawn Graham — shawngraham

[ABOUT](#)[DISCUSSIONS](#)[★ Star](#)

1

[🔔 Subscribe](#)

1

[About this book](#)[Readme](#)[Table of Contents](#)[Read](#)[PDF](#)[ePub](#)[Mobi](#)[Digital history](#) | 2

👤 Help us improve GitBook.com, [Give us your feedback!](#)

Last edit was 2 months ago

Other infrastructures / environments

- Heroku - cloud-based platform for building and running Ruby, Python, JS, etc. web apps
 - Python Anywhere - host, run, and code Python in the cloud
 - Virtual Box / Vagrant - system virtualization
 - Docker - containers to build and distribute applications
-

kirschbombe [logout](#)
exquisitehaiku

[New Poem](#)

Word Length

[seconds](#) [minutes](#)

Points per Word

Submission Value

Decay Halflife

[Create](#)

Log stack

700 squiggles
486 keyboards
756 keys
770 shapes
641 squares
495 squares
381 characters
413 slabs
274 shapes
357 squares
338 keyboards
311 panes
240 windows

bits fly by fingers
tap against

1.00 letters 48 0
0.93 panes 48 0
0.77 keyboards 40 446
0.57 squares 340 253
0.56 windows 40 0
0.50 shapes 328 60
0.44 characters 13 164
0.39 keys 439 36
0.31 slabs 4 101
0.28 squiggles 438 146
0.20 ideas 0 0
0.20 different 0 0
0.10 people 0 0
0.10 dreams 0 0
0.10 other 0 0
0.10 distant 0 0
0.10 symbols 0 0
0.10 new 0 0
0.10 icons 0 0

63 31467
33 03:16
Timer
Rank stack

[ABOUT](#) [BROWSE](#) [SIGN IN](#)

PRISM

[BROWSE PRISMS](#) [NEW PRISM](#)

Title	Highlight	Visualize
The Raven		
Notes on the State of Virginia		
Portrait of The Artist As a Young Man		
The Sneetches		
Test		
White House		

ARISTOTLE
Metadata Registry

[Log In](#)

Use the Aristotle-MDR Demo Server to search for metadata below...

[More options...](#) [Search](#)

This is a demo site, you can actually login and try the system before you install it.

What is metadata?

What is ISO/IEC 11179?
What is a metadata registry?
What is Aristotle-MDR?

About Aristotle-MDR Demo Server

Current registration authorities
Browse the registry
View current extensions
[View a graph of all models in the registry](#)

How can I get data?

What is a data dictionary?
Why are data standards important?

How can I add content?

What is a workgroup?
How does content become visible?

About metadata standards

What makes metadata "standard"?
Vocabulary content

Need more help?

Help on all registry items
Documentation for programmers

In partnership with
BRITISH LIBRARY

British Library Machine Learning Experiment

Browse Digital Collections From Early 16th To Mid 19th Century

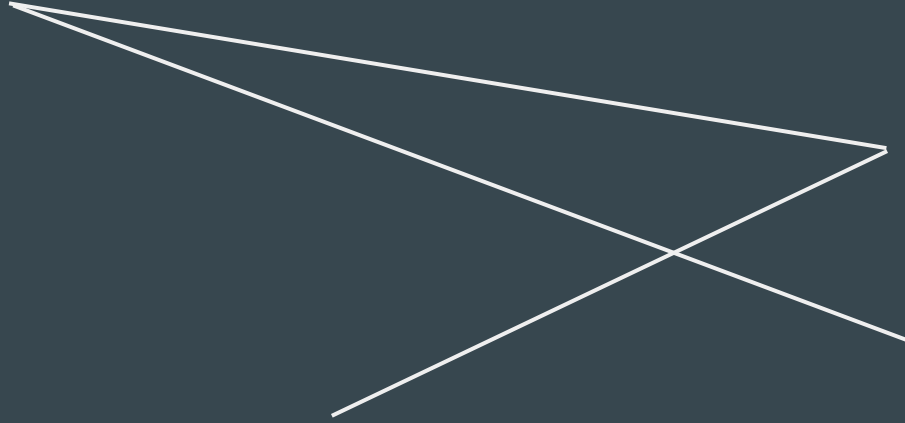
[By Titles](#) [By Tags](#)

[Search image](#)

[Get Random Image](#)

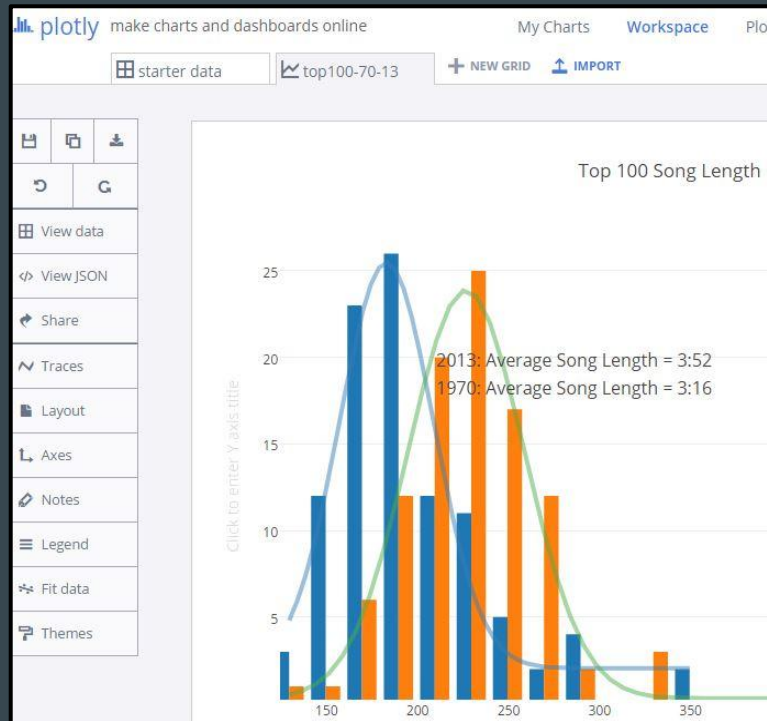
For more on the British Library Big Data Experiment see the [British Library Digital Scholarship Blog](#)

A Few Example Projects



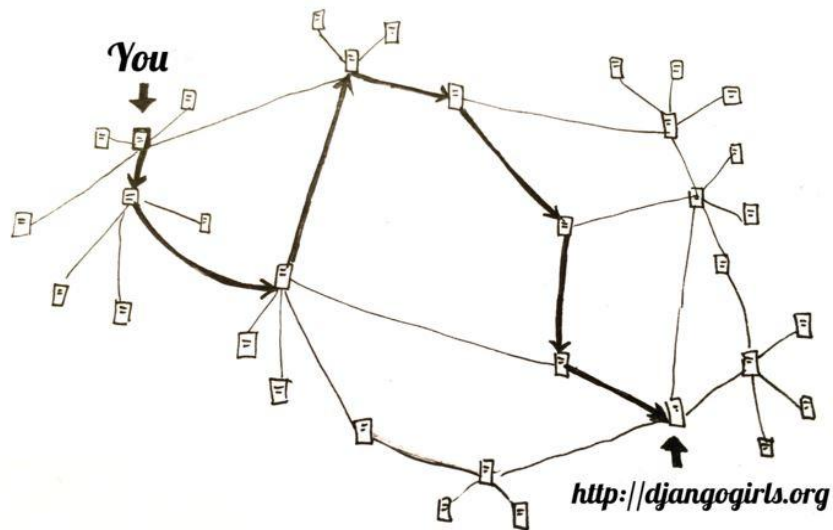
**Beyond
the
infrastructure**

- **visualizations**
- **creating tutorials**
- **working with texts**
- **gathering data**
- **creating metadata**
- **creating simple maps**
- **?**

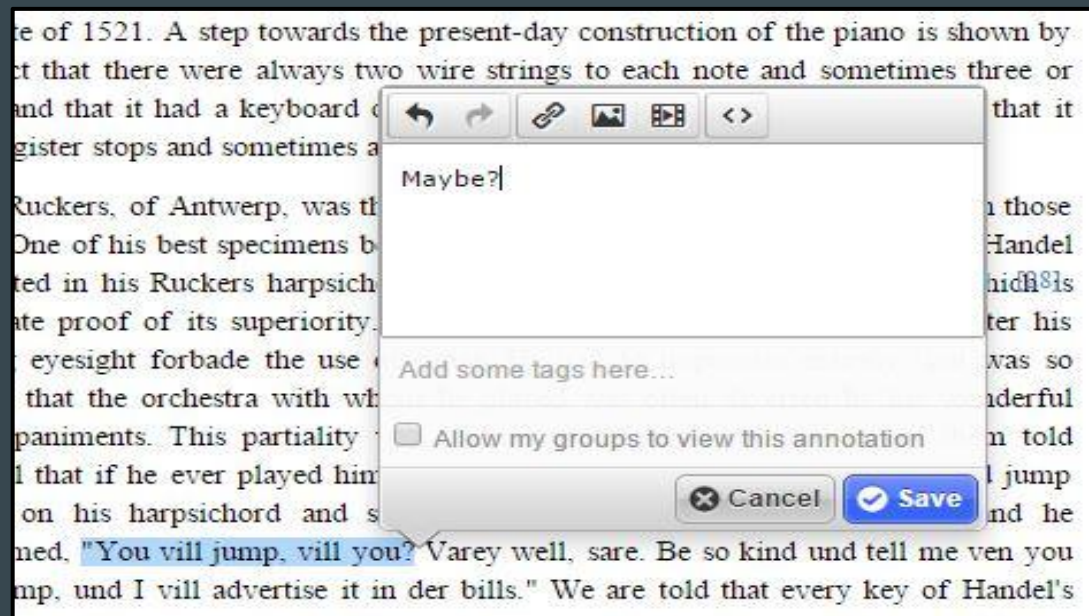


Plotly

8. Django installation
9. Your first Django project!
10. Django models
11. Django admin
12. Deploy!
13. Django urls
14. Django views - time to create!
15. Introduction to HTML
16. Django ORM (Querysets)
17. Dynamic data in templates
18. Django templates
19. CSS - make it pretty
20. Template extending
21. Extend your application



Django Girls Tutorial



Annotation Studio

Ed.

A Jekyll theme for minimal editions

A Brief Introduction

As we see it, a minimal edition is one that aims to reduce the size and complexity of the back and front end, and the learning curves for the user and the producer. Out of-the-box, this theme can help you build a simple reading edition, or a traditional scholarly edition with footnotes and a bibliography without breaking the bank. In our estimate, these are the two most immediately useful type of editions for editors and readers. An edition produced with Ed is lightweight and durable. Our hope is that our approach can help beginners or veterans deploy

Ed.

Virtual Field Notebook

Home
Monuments
Creators
Countries



Tear Drop Memorial

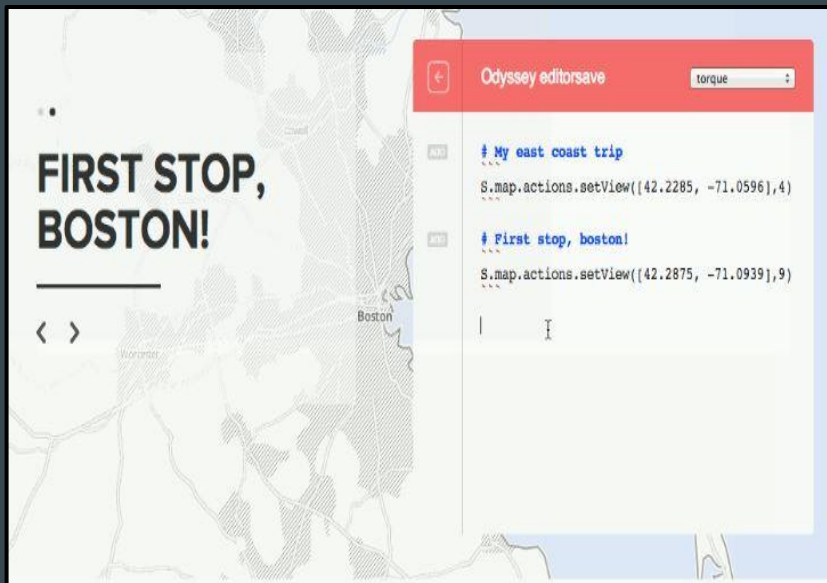
Year Given: 2006

Location: Bayonne, NJ, USA

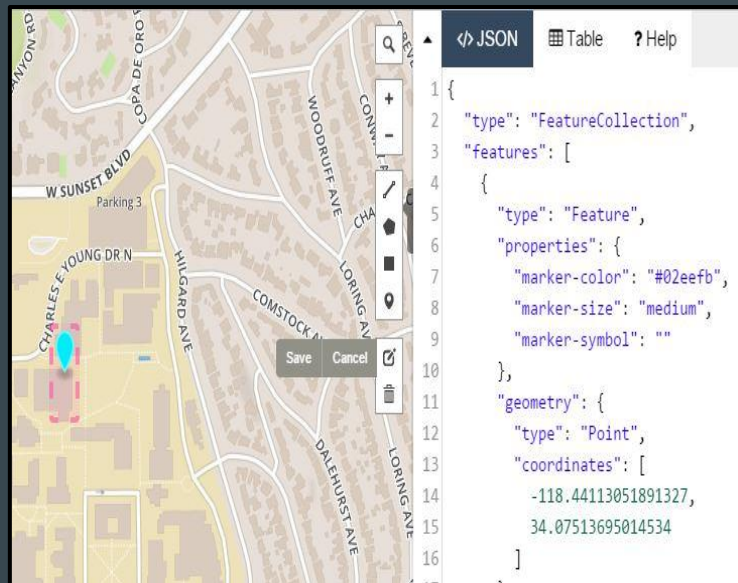
Location Created: Moscow, Russia

Giver: Russia

Monumental Gifts



Odyssey.js



Geojson.io

What are the benefits?

- Rapid development
- Portability
- Easier to maintain over time
- Ease of preservation (comparatively)
- Access/exposure to technology
- Agency and responsibility
- Encourages open source / open access

Thank you!

Dawn Childress @kirschbombe

Andy Rutkowski @andy_rutkowski

Sources / resources

Los Angeles: The City and the Library - <https://github.com/CityStoriesUCLA/lyricalmap>

Barrio Suburbanism - <http://barriosuburbanismucla.github.io/barriosuburbanism/>

Boulevardier - <https://github.com/kirschbombe/boulevardier>

dawnchildress.com - <http://dawnchildress.com>

Building Capacity with Care: Graduate Students and DH Work in the Library - <http://dhgradlabor.github.io/dh2016workshop/>

Git-Lit - <https://github.com/Git-Lit/git-lit>

GitBook - <https://www.gitbook.com>

Crafting Digital History - <https://www.gitbook.com/book/shawngraham/dh-workbook/details>

Heroku - <https://www.heroku.com>

Python Anywhere - <https://www.pythonanywhere.com>

Prism - <http://prism.scholarslab.org>

Exquisite Haiku - <http://exquisite-haiku.herokuapp.com/admin>

British Library Machine Learning Experiment - <http://blbigdata.herokuapp.com>

Aristotle Metadata Registry - <http://aristotle.pythonanywhere.com>

Sources / resources (cont.)

Monumental Gifts Field Notebook - <http://ec2-52-91-24-93.compute-1.amazonaws.com/monuments/> <https://digitalprojectstudio.wordpress.com/2016/01/29/introducing-monumental-gifts-the-web-based-field-notebook-powered-by-django/>

Ed. A Jekyll Theme for Minimal Editions - <https://github.com/elotroalex/ed>

Jekyll site in GitHub Pages: How (and Why) to Generate a Static Website Using Jekyll - <http://chronicle.com/blogs/profhacker/jekyll1/60913#sthash.sXOVdmcM.dpuf>

Django Girls tutorial - <http://tutorial.djangogirls.org/en/>

Annotation Studio - <http://www.annotationstudio.org>

Plotly - <https://plot.ly>

Odyssey.js - http://mapninja.github.io/CartoDB_Odyssey_Tutorial_for_Story_Maps/

geojson.io - <http://geojson.io/>