

# How Did They Make That?

For Undergraduate Projects

by Tiffany Chan

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This post is based on Miriam Posner's original "[How Did They Make That?](#)" and [the video](#). Like its inspiration, this post introduces Digital Humanities newcomers to a range of projects and what tools or technical knowledge they might need to know to make them. This list is not exhaustive.

This post is also intended for undergraduates, using example projects done by undergraduates or involved undergraduate work and/or collaboration.

What's in here?

- A 3D model
- Digital exhibit
- Mapping project
- Timeline
- Digital edition
- Long-form, media-rich narrative
- Computer-aided text analysis
- Data visualization
- Links to more resources

# 3D Model: What Jane Saw

## What it is

A 3D reconstruction of an 1813 portraiture exhibit attended by Jane Austen.

## What you'd need

[SketchUp](#) to model the space so you can "hang" paintings in their spots (see [video](#) on "About" page).

## Get started

- ["Getting Started with Sketchup"](#)

## Alternatives

- Modellers also use [Maya](#), [Rhino](#), [Blender](#)
- Video game software
  - [CRYENGINE](#) for "Off The Map"
  - [Minecraft](#) "Hullcraft"



Janine Barchas (faculty), Michelle Lawrence-Carlin, Megha Vaidya, Nick Kinnaird, Katie Tiller et al. (students)

University of Texas at Austin

Undergrad collaboration through [Undergrad Research Apprenticeship](#) and [LAITS Student Technology Assistants](#) programs

# Digital Exhibit: Goin' North

## What it is

Exhibit-archive of oral history interviews, images, newspaper articles and other primary sources about the [Great Migration](#).

## What you'd need

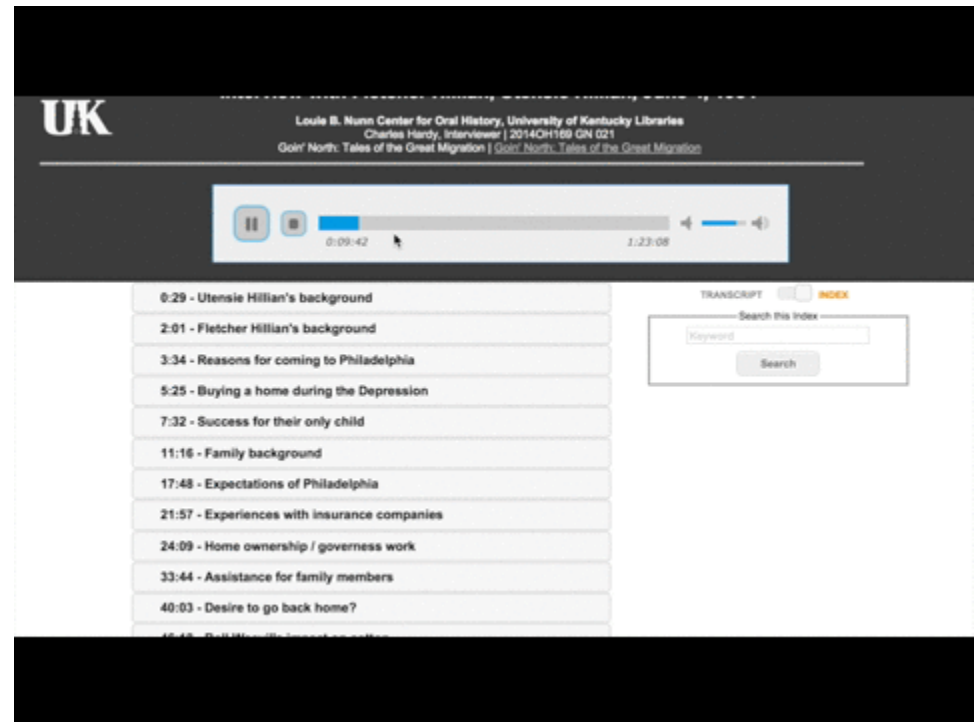
- [Omeka.org](#) , but you can also use [Omeka.net](#) ([full comparison](#))
- Optional: [HTML](#), [CSS](#) coding to customize how the site displays

## Get started

- [Programming Historian tutorial](#)
- [Omeka for Millenials](#)

## Alternatives

I've used [WordPress.org](#) for a [virtual exhibit](#) before but I'd still recommend Omeka.



Jannecken Smucker and Charles Hardy (faculty), Robert Bennett, Kristine Geiger, William Hostmann, et al. (students)

West Chester University

Collaborative effort between [two classes](#) of undergraduate and graduate students.

# Map: Mapping Mrs. Dalloway

## What it is

A project that maps each character's walking route in *Mrs. Dalloway*, along with brief descriptions and analyses of significant events during those walks.

## What you'd need

- [iMap Builder](#)

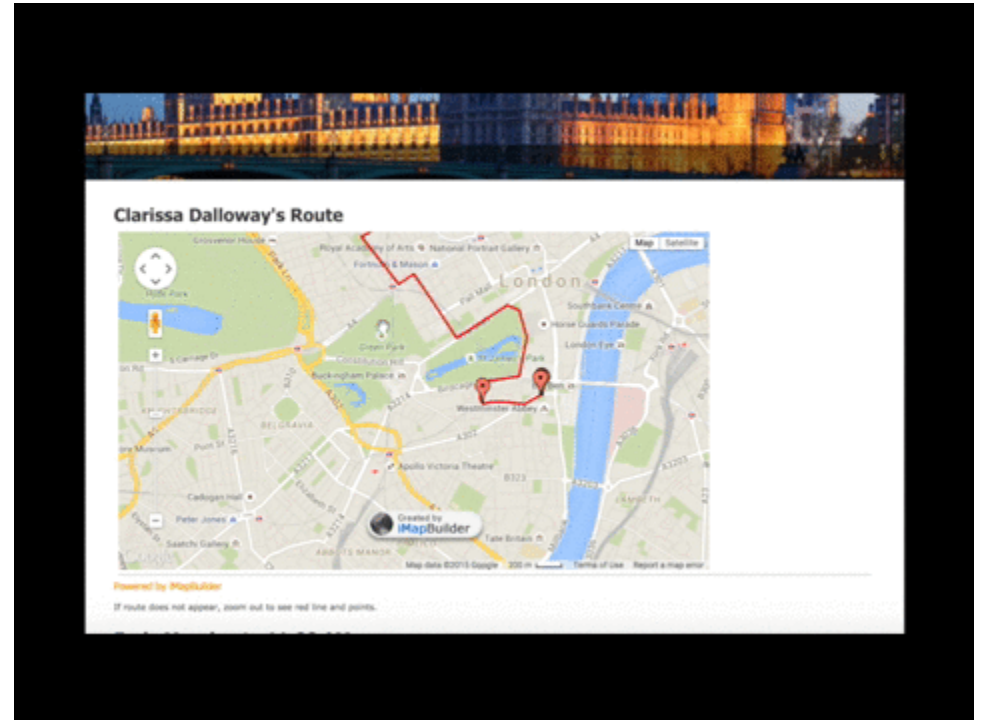
## Get started

[Google My Maps](#)

- [YouTube tutorial](#)
- [PDF tutorial](#) by U Waterloo Libraries

## Get fancy

- [Neatline](#) (used with Omeka)
- [ArcGIS](#) (e.g. [Michael DeGroot's project](#))



Adam Erwood, London Lamb, Jasmine Perrett, Anjaly Poruthoor, and Manoj Vangala

Georgia Institute of Technology

Collaborative project by students in Dr. Kathryn Crowther's "Literary London" course

# Timeline: History of GWG Plant

## What it is

A timeline chronicling the history of Edmonton's Great Western Garment Company (later a plant).

## What you'd need

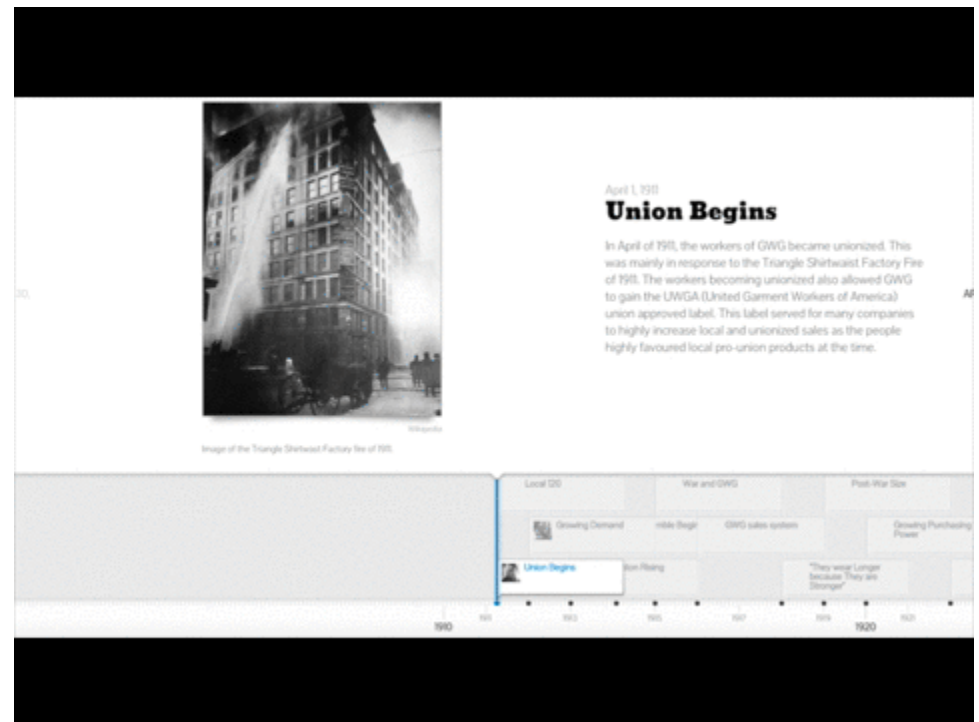
- [Timeline.js](#)

## Get started

- [Written tutorial](#)
- [Video tutorial](#)

## Get fancy

- [Timeglider](#) for more control over how the timeline's points display
- Combine the timeline with a map using [Timemap.js](#)



Dylan Blake

University of Alberta

Assignment done for [Nicholas Van Orden's](#) 1st Year [English course](#)

# Digital Edition: Yellow Nineties Online

## What it is

A digital archive of *The Yellow Book*, related 19th-century periodicals, and a wealth of contextual material (biographies, reviews, etc.)

## What you'd need

- [TEI](#): markup language for scholarly editing
- [XSLT](#) or [XML publication system](#): I like the uber-lightweight [TEI Boilerplate](#)

## Get started

- [Introduction to the practice of markup](#)
- [TEI by example](#)
- A TEI editor: [oXygen](#) is popular; [try others](#)

## Alternatives

Not the proper way to do it, but [Scalar](#) can [do in a pinch](#) depending on what you want.



Dennis Denisoff & Lorraine Janzen Kooistra (principal editors),  
plus a great deal more collaborators and research assistants

Ryerson University, Toronto

[CDH](#)-sponsored [undergraduate internship](#)



# Long-form, Media-Rich Narrative: "We Are/We Have Always Been"

## What it is

A multi-linear, multimodal history  
of LGBT experiences at Bryn Mawr  
College that includes interviews, photographs,  
and documents.

## What you'd need

- [Scalar](#)—multimedia authoring platform
- Optional: web coding ([HTML](#), [CSS](#), [JavaScript](#)) for customization

## Get started

- [HASTAC Scholars webinar](#)
- ["So You Want to Publish Your Academic Work"](#)
- [More Scalar webinars](#)



Brenna Levitin

Bryn Mawr College, Pennsylvania

Internship with [Tri-Co Digital Humanities](#) at the [Albert M. Greenfield Digital Center for the History of Women's Education](#)

# Computer-Aided Text Analysis: He Do the Police in Different Voices

## What it is

An analysis of different voices in *The Waste Land* using a custom algorithm, among other techniques.

## What you'd need

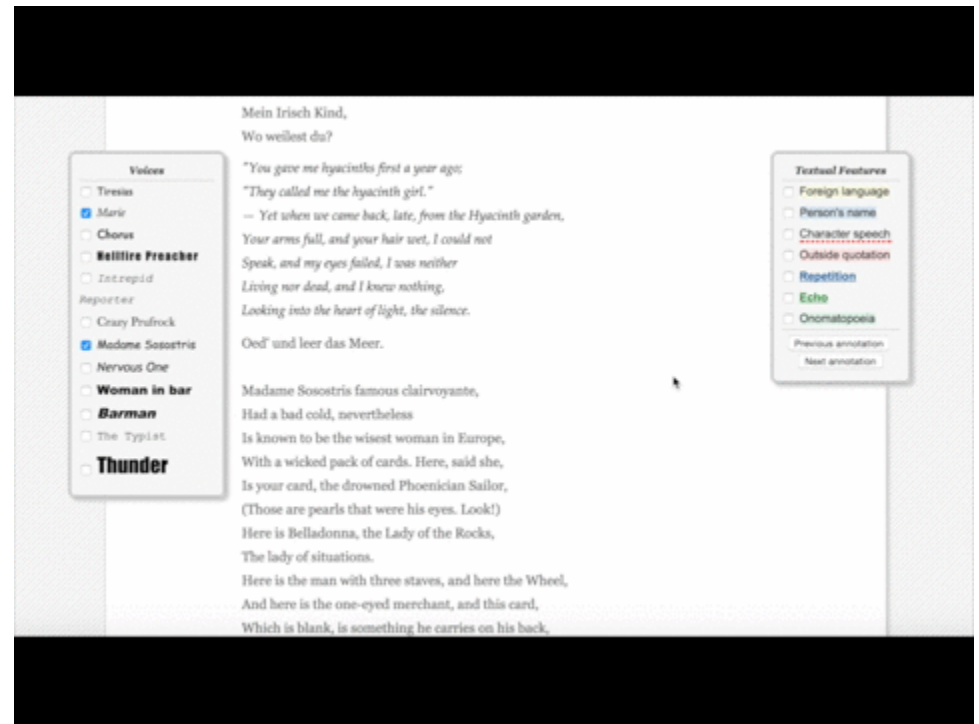
A custom algorithm adapted from existing plagiarism detection and text segmentation techniques.

## Get started

There are [many kinds of textual analysis](#). It's easy to start with [Voyant Tools](#) (no coding required): see [documentation](#) and [tutorials](#).

## Get fancy

- [MALLET](#) or other tools in [DiRT](#) or [TAPoR](#)
- Code something in [Python](#) or [R](#)



Brook, Hammond, Hirst, and the class of [ENG287 "The Digital Text"](#)  
University of Toronto

[Undergraduate class collaboration](#) with instructors

# Data Visualization: Searching for Residential Schools

## What it is

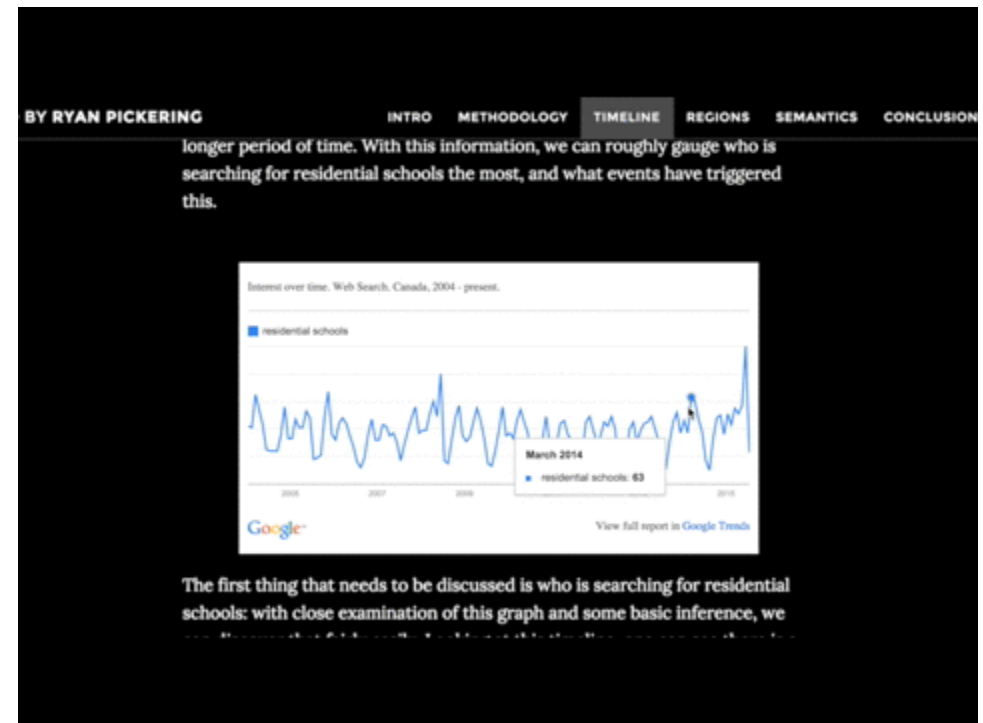
An analysis of (Canadian) Google search trends for "residential schools"—who is searching and why?

## What you'd need

- [Google Trends](#)
- To publish: [Github Pages](#), [Start Bootstrap](#)

## Get started

- [Intro to Visualization](#) from UCLA's DH101
- Tools to try:
  - [Tableau Public](#)
  - [Google Fusion Tables](#)
  - [Palladio](#)
- [Network analysis](#) using [Gephi](#):
  - [Demystifying networks](#)
  - [Gephi tutorial \(PDF\)](#)



Ryan Pickering

Carleton University, Ottawa

Assignment for "Crafting Digital History" (#hist3907b), taught by [Shawn Graham](#)

# More Resources

- The original "How Did They Make That?" plus video
- [DH Tools for Beginners](#)
- [DH101: Intro to Digital Humanities](#)
- [Introducing Digital Humanities Work to Undergraduates: An Overview](#)
- [UVic DHum on Twitter](#)