December 8, 2017

Mapping The “Construction U” Exhibit

# finding our Historical map

Start by finding the following page on Carleton’s *Archives & Research Collection* website:   
<https://arc.library.carleton.ca/exhibits/construction-u>

Poke around there, and find the image titled “Master Plan for Carleton College” under the heading “Discipline of Nature.” Save that image file to your computer, we’ll need it soon.

# georectifying

We’re going to georectify the image we just saved, manipulating it to match a geographic projection, like the one on Google Maps. Open up <http://mapwarper.net> and login with your Github information.

Next, click the “Upload Map” tab, and fill in a title, and the optional source credit “Carleton University Library Historical Photographs,” and upload the image.

You should now see the historical map on the left, and an OpenStreetMap on the right. Find Ottawa and Carleton on the OpenStreetMap.

Now you’ll have to match three points of reference called control points on both maps. Drop the pins in place and click “Add Control Points” until you have 3 control points on the map.

Click “Warp Image.” Congratulations, you’ve georectified a map!

# using the map in Palladio

Make sure to click the “Export” tab to get a copy of your georectified image for the next step. Copy and save the “Tiles based” link to your map. It should look like http://mapwarper.net/maps/tile/26400/{z}/{x}/{y}.png

Open up **Palladio** <http://hdlab.stanford.edu/palladio-app/#/upload> in a new tab and input the following data:

Place Coordinates

MacOdrum Library 45.3818585, -75.6994731

Tory Building 45.3826096, -75.6981681

Paterson Hall 45.3820294, -75.6987039

Click over to the Map tab once you’ve input this data. Hit “New Layer” and then hit “Tiles,” and paste your URL from earlier into the form. Click “Add Layer.” You should see your map on the land. From here, we could add points, stories, images from the “Construction U” exhibit.