Darryn Kozak

Capstone Project

You can view my project here:

https://djkozak.github.io/index.html

Please do try the link and all the pages. If you find any bugs or other problems, let me know. I've tried it in at least four different browsers, and on two desktop PC's, a laptop PC, iPhone, Android phone and iPad with no significant problems.

There are six pages – all reachable from the nav bar:

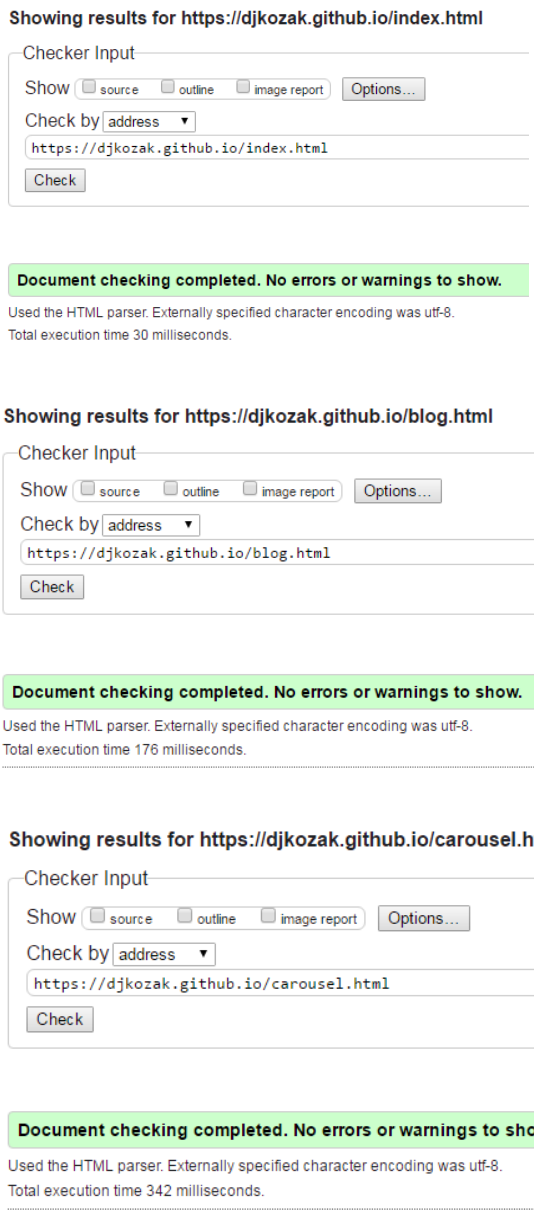
- **Main Page (Home)** – This is an introductory page with a grid of images that are essentially buttons that link to my other pages.
  - Things I'd like to change:
    - I put a blank "button" in the first row of the grid to make the grid more symmetric. It's fine on a wide, desktop view, but on a narrow, mobile view it should really not be there at all.
    - In general everything seems to big… especially in the desktop view (some of the text is too big as well). It takes a lot of real estate to show five buttons. I'd like it to be different, although I don't have any ideas yet.
- **Blog Page** (Sanguine Snowflake Trees) – Straightforward, single page blog. Sorry no real content yet, but I hope to get to that after our class ends.
- **Three carousel pages** (A, B and C)
  - Three different pages utilizing the Bootstrap Carousel to display increasing numbers of images.
- **Timeline Page**
  - A different way to show a display of images, this time on an annotated timeline. I used what I learned about carousels on this page to flip between the A & B sides of the old record labels.
  - I also wanted to try embedding a google map, so you'll see that at the end of the page as well.

Browser support

- I did most of my work on a Windows PC and tested in Chrome browser, and everything seemed to work as expected.
- I tested all the pages on an iPhone in Safari browser
  - Noticed one issue with the "About this page…" modal dialogs… the close buttons do not work. I had to use the browser "back" button to get out of it.
  - The images seemed to take longer to load than on my PC, but they did eventually all load.
- I tested all the pages on an Android phone with Chrome browser and did not have any issues.

W3 validations

- I tested recent versions of all the pages and they all passed.


Showing results for https://djkozak.github.io/index.html

Checker Input

Show source outline image report Options…

Check by address

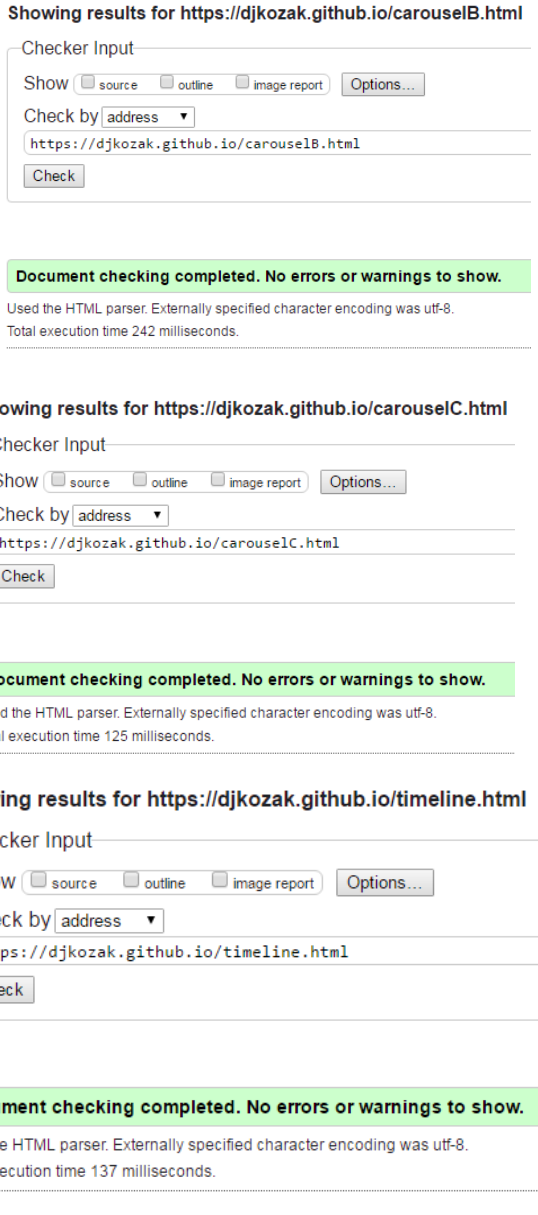
https://djkozak.github.io/index.html

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

Total execution time 30 milliseconds.


Showing results for https://djkozak.github.io/carouselB.html

Checker Input

Show source outline image report Options…

Check by address

https://djkozak.github.io/carouselB.html

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

Total execution time 242 milliseconds.

Showing results for https://djkozak.github.io/blog.html

Checker Input

Show source outline image report Options…

Check by address

https://djkozak.github.io/blog.html

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

Total execution time 176 milliseconds.

Showing results for https://djkozak.github.io/carouselC.html

Checker Input

Show source outline image report Options…

Check by address

https://djkozak.github.io/carouselC.html

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

Total execution time 125 milliseconds.

Showing results for https://djkozak.github.io/carousel.html

Checker Input

Show source outline image report Options…

Check by address

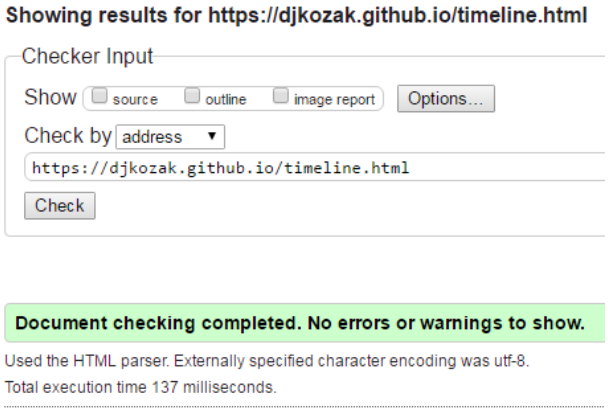
https://djkozak.github.io/carousel.html

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

Total execution time 342 milliseconds.


Showing results for https://djkozak.github.io/timeline.html

Checker Input

Show source outline image report Options…

Check by address

https://djkozak.github.io/timeline.html

Check

Document checking completed. No errors or warnings to show.

Used the HTML parser. Externally specified character encoding was utf-8.

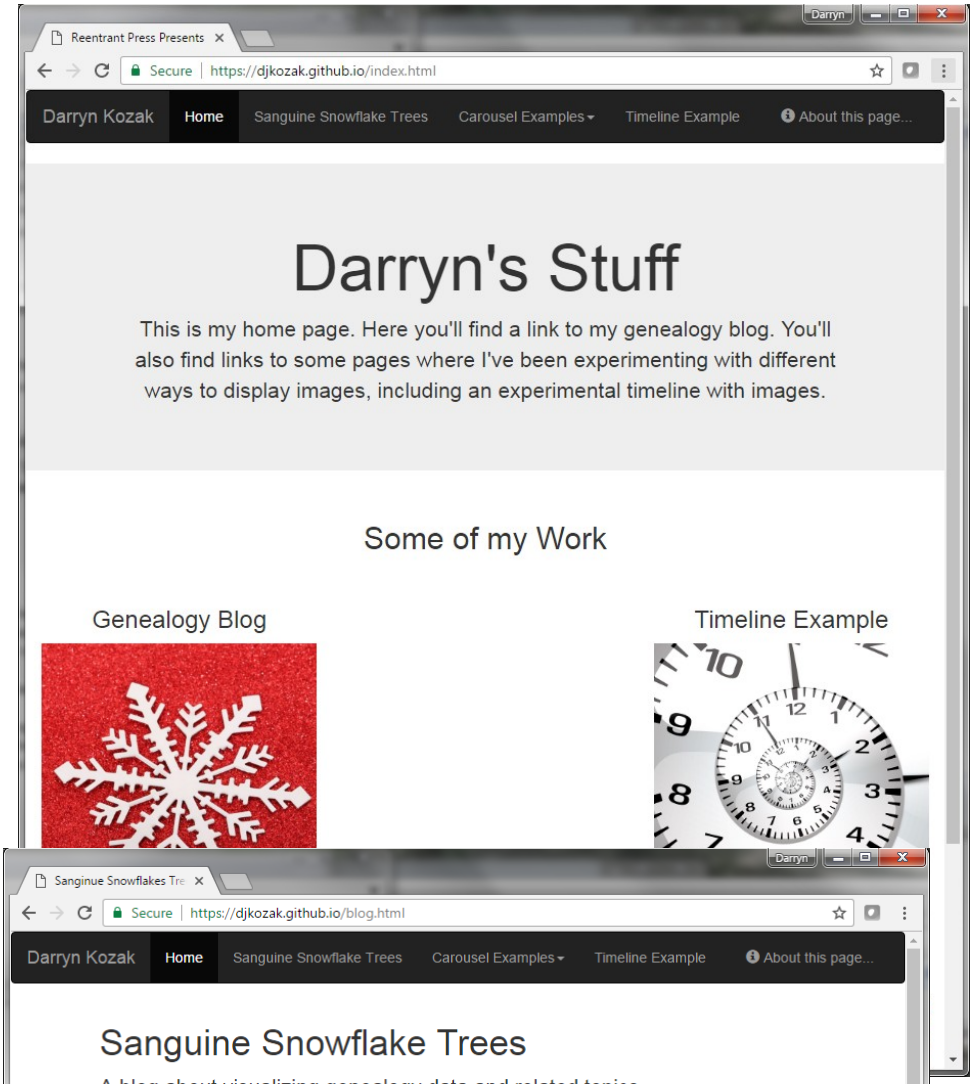
Total execution time 137 milliseconds.

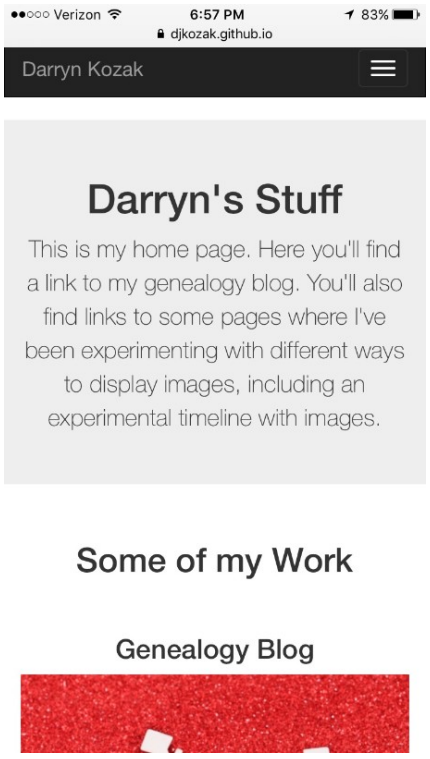
Responsiveness

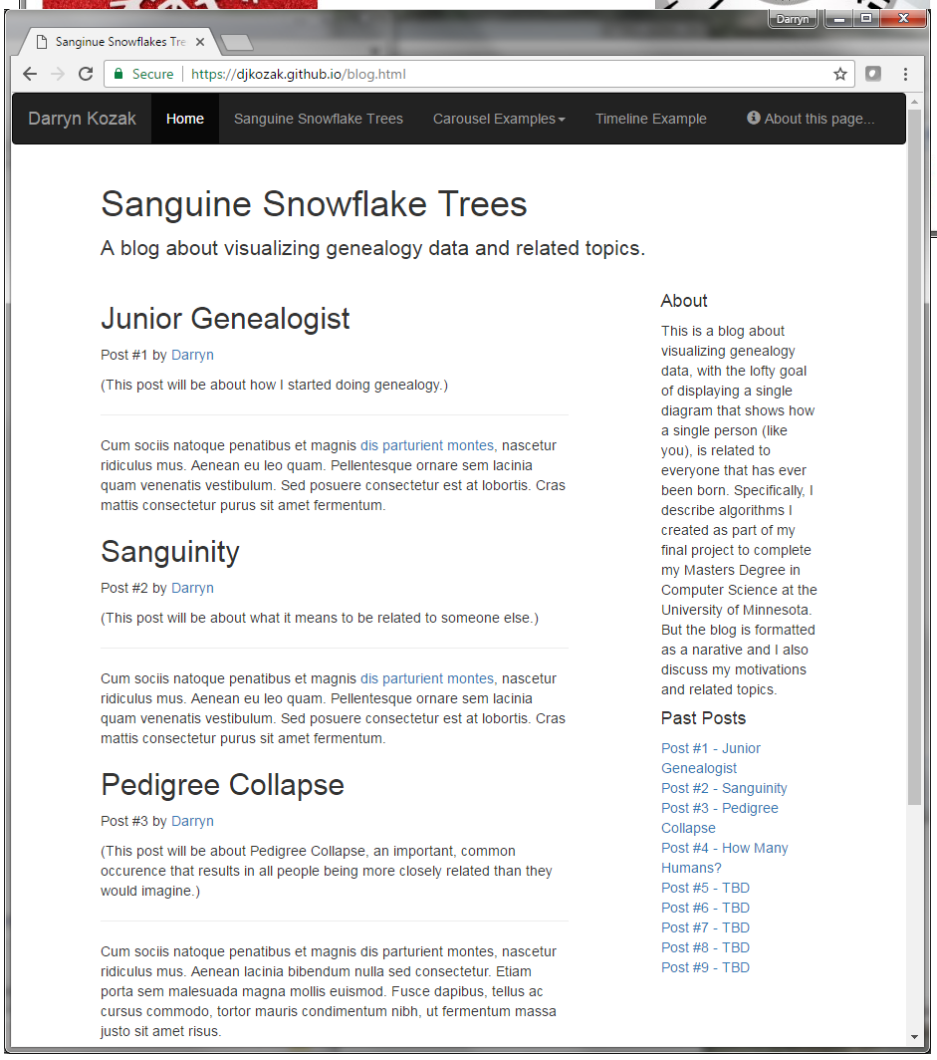
You can go online (see link above) to try the responsiveness yourself… or look at the screen shots on the following pages comparing PC desktop images in Chrome with iPhone images in Safari.

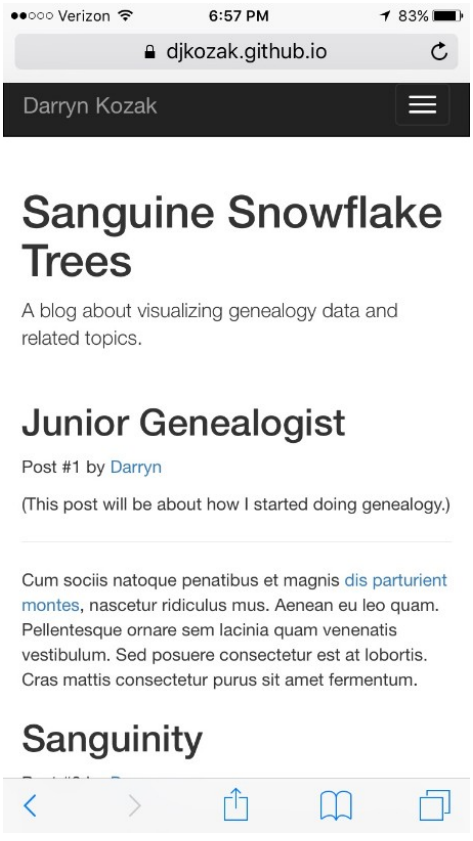
Some notes:

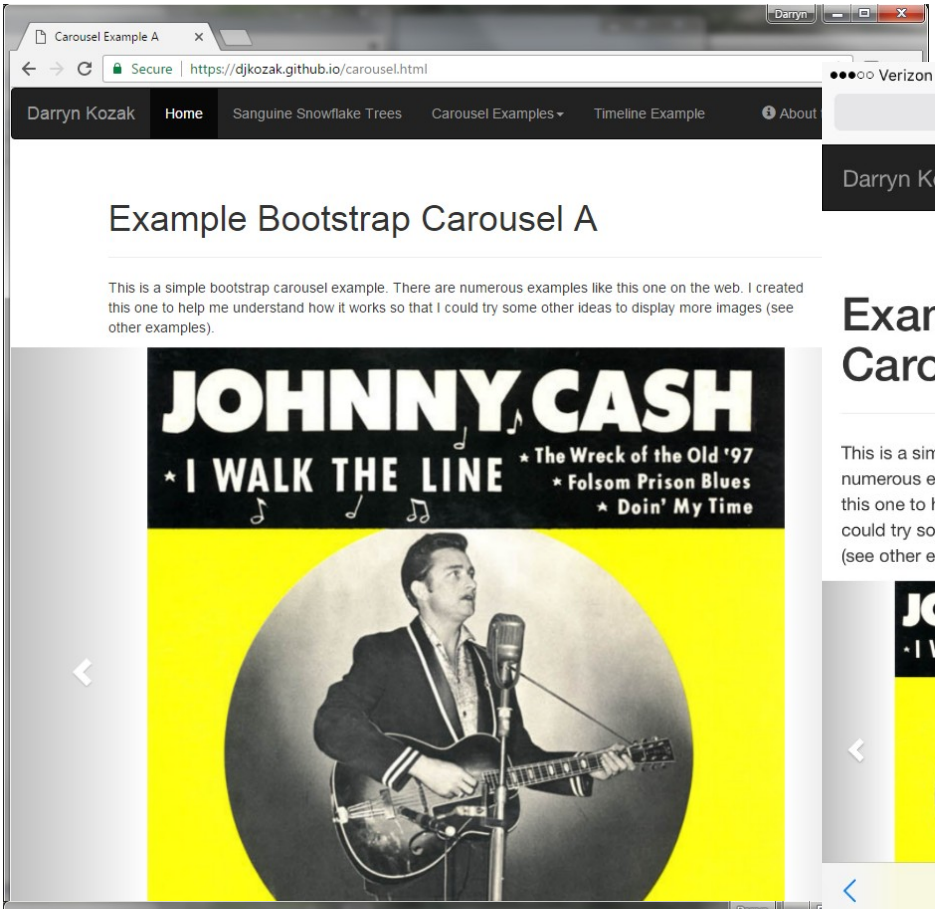
- All the pages are responsive at least through two different views, in large part relying on Bootstraps built in responsiveness.
- The nav bar is responsive. As the width shrinks from the desktop view, the right justified item (About this page) will slide under the left justified items. As the view shrinks even more, all the menu items are replaced by a "hamburger" menu icon which is the user's entry to a pull down menu for navigation in smaller views.
- One the main page and the blog page, the structure elements in the page will stack vertically in a narrower view. The images are continuously responsive (shrinking as the width shrinks, and vice versa)
- The carousel example pages don't have many structure elements in them, but what is there is responsive in that the text elements wrap appropriately and the carousel items are continuously responsive.
- The timeline example page is responsive. The images (carousels) are continuously responsive. In the smaller view the structure elements begin to stack vertically. As the view gets even smaller, the timeline shift from the center of the page to the left side so that the images and other content can use the rest of the width of the view.

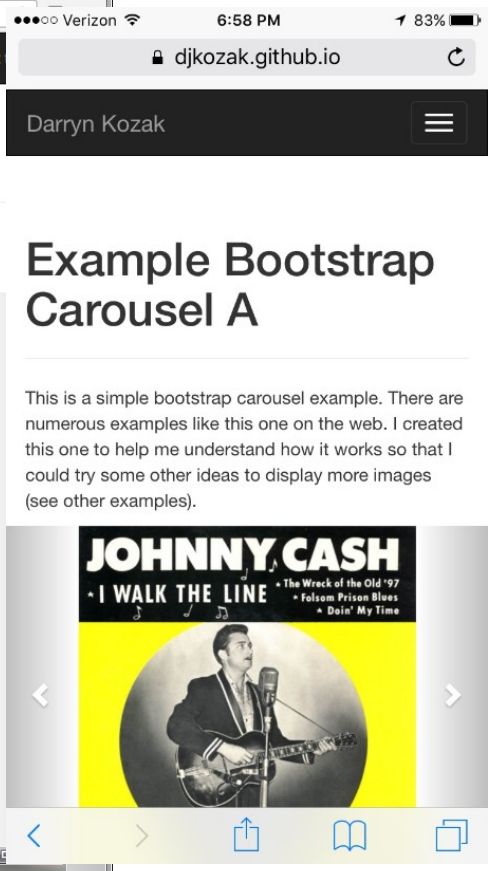

Reentrant Press Presents
Secure | https://djkozak.github.io/index.html
Darryn Kozak
Home
Sanguine Snowflake Trees
Carousel Examples
Timeline Example
About this page...
Darryn's Stuff
This is my home page. Here you'll find a link to my genealogy blog. You'll also find links to some pages where I've been experimenting with different ways to display images, including an experimental timeline with images.
Some of my Work
Genealogy Blog
Timeline Example


Verizon
6:57 PM
83%
djkozak.github.io
Darryn Kozak
Darryn's Stuff
This is my home page. Here you'll find a link to my genealogy blog. You'll also find links to some pages where I've been experimenting with different ways to display images, including an experimental timeline with images.
Some of my Work
Genealogy Blog


Sanginue Snowflakes Tre
Secure | https://djkozak.github.io/blog.html
Darryn Kozak
Home
Sanguine Snowflake Trees
Carousel Examples
Timeline Example
About this page...
Sanguine Snowflake Trees
A blog about visualizing genealogy data and related topics.
Junior Genealogist
Post #1 by Darryn
(This post will be about how I started doing genealogy.)
Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Sed posuere consectetur est at lobortis. Cras mattis consectetur purus sit amet fermentum.
Sanguinity
Post #2 by Darryn
(This post will be about what it means to be related to someone else.)
Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Sed posuere consectetur est at lobortis. Cras mattis consectetur purus sit amet fermentum.
Pedigree Collapse
Post #3 by Darryn
(This post will be about Pedigree Collapse, an important, common occurence that results in all people being more closely related than they would imagine.)
Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aenean lacinia bibendum nulla sed consectetur. Etiam porta sem malesuada magna mollis euismod. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus.
About
This is a blog about visualizing genealogy data, with the lofty goal of displaying a single diagram that shows how a single person (like you), is related to everyone that has ever been born. Specifically, I describe algorithms I created as part of my final project to complete my Masters Degree in Computer Science at the University of Minnesota. But the blog is formatted as a narative and I also discuss my motivations and related topics.
Past Posts
Post #1 - Junior Genealogist
Post #2 - Sanguinity
Post #3 - Pedigree Collapse
Post #4 - How Many Humans?
Post #5 - TBD
Post #6 - TBD
Post #7 - TBD
Post #8 - TBD
Post #9 - TBD


Verizon
6:57 PM
83%
djkozak.github.io
Darryn Kozak
Sanguine Snowflake Trees
A blog about visualizing genealogy data and related topics.
Junior Genealogist
Post #1 by Darryn
(This post will be about how I started doing genealogy.)
Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Sed posuere consectetur est at lobortis. Cras mattis consectetur purus sit amet fermentum.
Sanguinity


Carousel Example A
Secure | https://djkozak.github.io/carousel.html
Darryn Kozak
Home
Sanguine Snowflake Trees
Carousel Examples
Timeline Example
About
Example Bootstrap Carousel A
This is a simple bootstrap carousel example. There are numerous examples like this one on the web. I created this one to help me understand how it works so that I could try some other ideas to display more images (see other examples).
JOHNNY CASH
I WALK THE LINE
The Wreck of the Old '97
Folsom Prison Blues
Doin' My Time


Verizon
6:58 PM
83%
djkozak.github.io
Darryn Kozak
Example Bootstrap Carousel A
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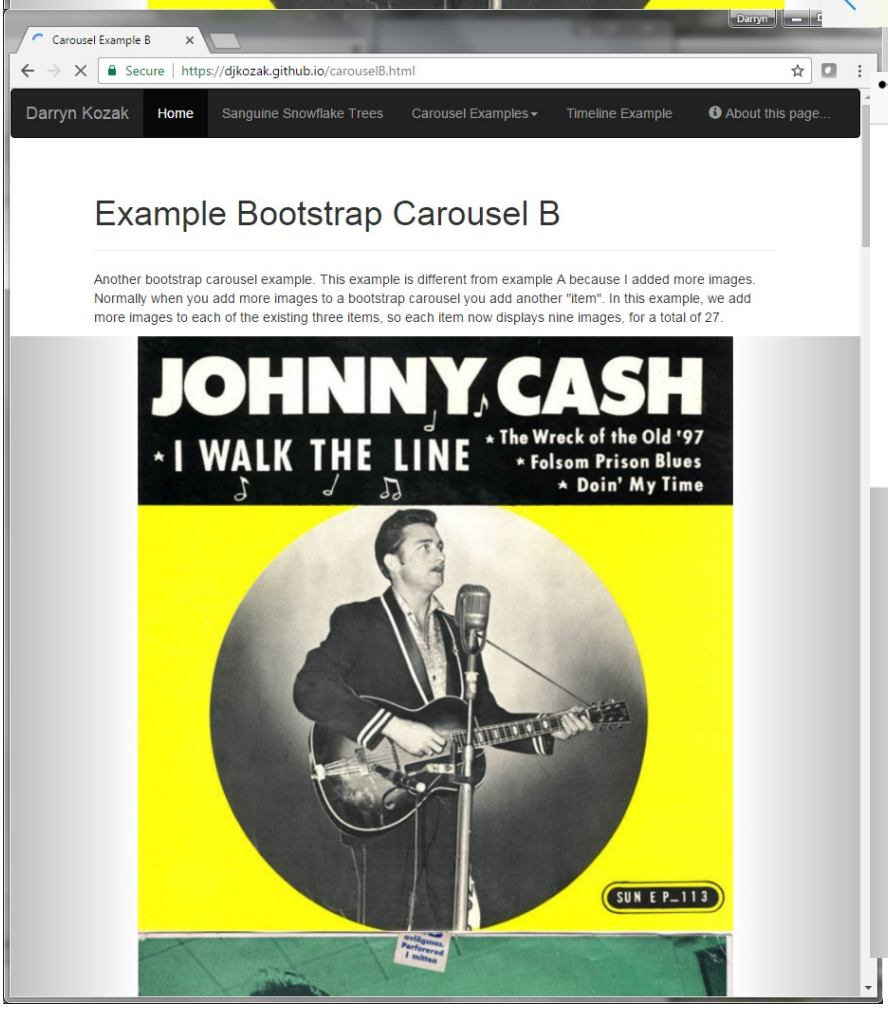
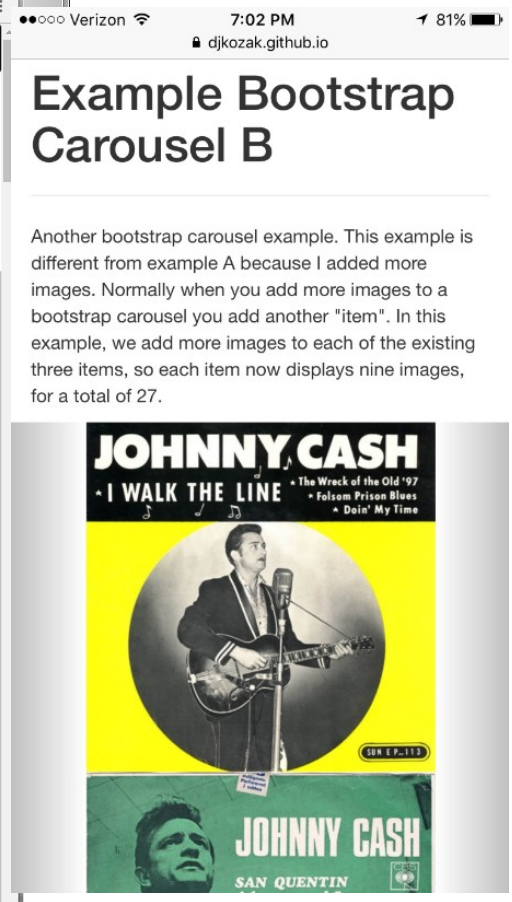
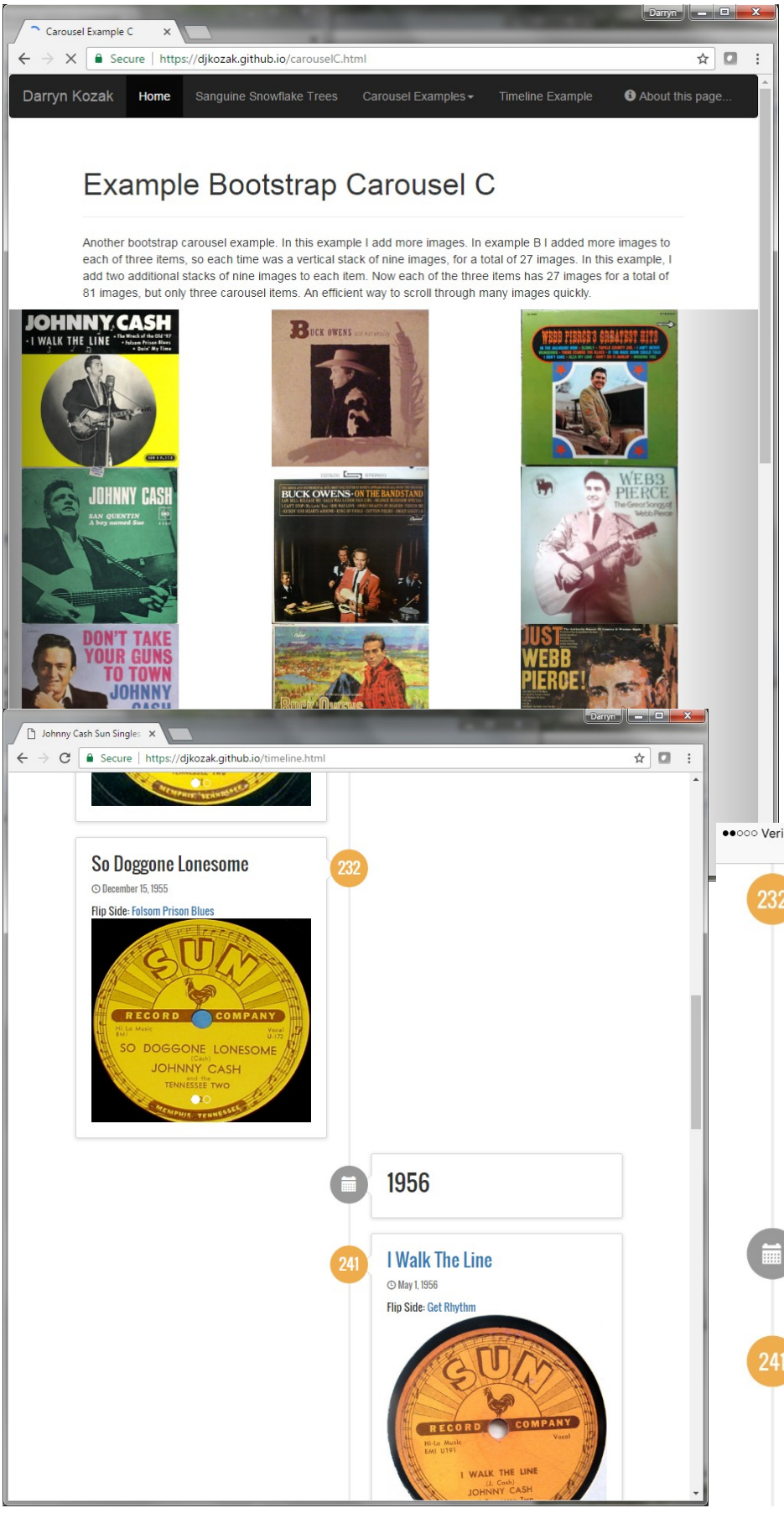
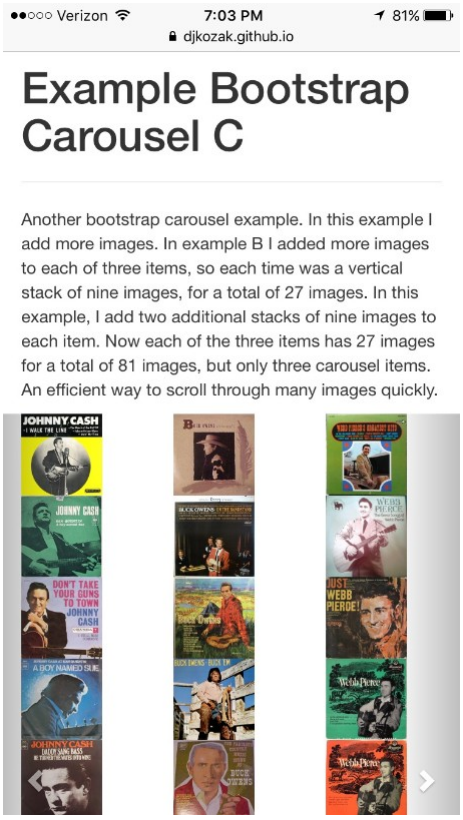
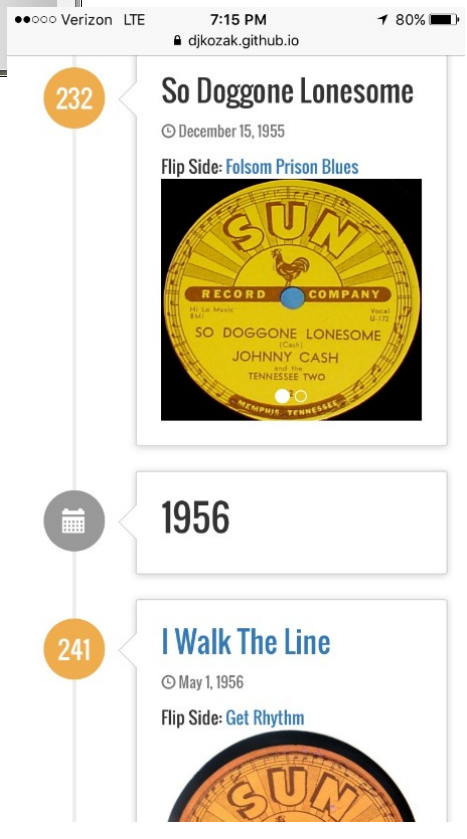
JOHNNY CASH
I WALK THE LINE
The Wreck of the Old '97
Folsom Prison Blues
Doin' My Time

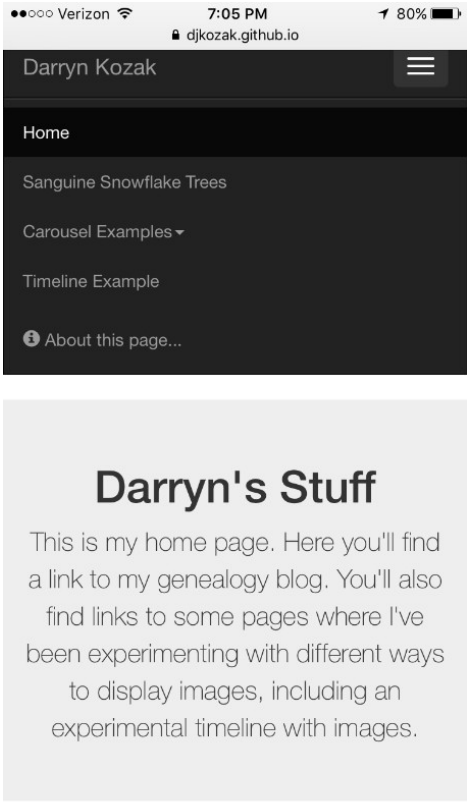

Carousel Example B
Secure | https://djkozak.github.io/carouselB.html
Darryn Kozak
Home
Sanguine Snowflake Trees
Carousel Examples
Timeline Example
About this page...
Example Bootstrap Carousel B
Another bootstrap carousel example. This example is different from example A because I added more images. Normally when you add more images to a bootstrap carousel you add another "item". In this example, we add more images to each of the existing three items, so each item now displays nine images, for a total of 27.
JOHNNY CASH
I WALK THE LINE
The Wreck of the Old '97
Folsom Prison Blues
Doin' My Time
SUN EP-113


Verizon
7:02 PM
81%
djkozak.github.io
Example Bootstrap Carousel B
Another bootstrap carousel example. This example is different from example A because I added more images. Normally when you add more images to a bootstrap carousel you add another "item". In this example, we add more images to each of the existing three items, so each item now displays nine images, for a total of 27.
JOHNNY CASH
I WALK THE LINE
The Wreck of the Old '97
Folsom Prison Blues
Doin' My Time
SUN EP-113
JOHNNY CASH
SAN QUENTIN


Carousel Example C
Secure | https://djkozak.github.io/carouselC.html
Darryn Kozak
Home
Sanguine Snowflake Trees
Carousel Examples
Timeline Example
About this page...
Example Bootstrap Carousel C
Another bootstrap carousel example. In this example I add more images. In example B I added more images to each of three items, so each time was a vertical stack of nine images, for a total of 27 images. In this example, I add two additional stacks of nine images to each item. Now each of the three items has 27 images for a total of 81 images, but only three carousel items. An efficient way to scroll through many images quickly.
JOHNNY CASH
I WALK THE LINE
BUCK OWENS
WEBB PIERCE'S GREATEST HITS
JOHNNY CASH
SAN QUENTIN
A boy named Sue
BUCK OWENS ON THE BANDSTAND
WEBB PIERCE
The Great Songs of Webb Pierce
DON'T TAKE YOUR GUNS TO TOWN
JOHNNY
JUST WEBB PIERCE!
Johnny Cash Sun Singles
Secure | https://djkozak.github.io/timeline.html
So Doggone Lonesome
232
December 15, 1955
Flip Side: Folsom Prison Blues
SUN
RECORD COMPANY
SO DOGGONE LONESOME
JOHNNY CASH
TENNESSEE TWO
MEMPHIS TENNESSEE
1956
241
I Walk The Line
May 1, 1956
Flip Side: Get Rhythm
I WALK THE LINE
JOHNNY CASH


Verizon
7:03 PM
81%
djkozak.github.io
Example Bootstrap Carousel C
Another bootstrap carousel example. In this example I add more images. In example B I added more images to each of three items, so each time was a vertical stack of nine images, for a total of 27 images. In this example, I add two additional stacks of nine images to each item. Now each of the three items has 27 images for a total of 81 images, but only three carousel items. An efficient way to scroll through many images quickly.


Verizon LTE
7:15 PM
80%
djkozak.github.io
232
So Doggone Lonesome
December 15, 1955
Flip Side: Folsom Prison Blues
SUN
RECORD COMPANY
SO DOGGONE LONESOME
JOHNNY CASH
TENNESSEE TWO
1956
241
I Walk The Line
May 1, 1956
Flip Side: Get Rhythm


●●○○○ Verizon
7:05 PM
80%
djkozak.github.io
Darryn Kozak
Home
Sanguine Snowflake Trees
Carousel Examples
Timeline Example
About this page...
Darryn's Stuff
This is my home page. Here you'll find a link to my genealogy blog. You'll also find links to some pages where I've been experimenting with different ways to display images, including an experimental timeline with images.

Styling

- In general the pages are well styled thanks in large part to default styling from Bootstrap.
- On the timeline page a picked colors and a font that seemed to work well with the images of the 1950's country music record labels, so I'm happy with the look of that page (but still want to fine tune the text sizes in some cases).
  - WAVE does not like some of the contrast choices on the timeline page. If time allows I'd like to understand what it doesn't like and "fix" it.
- I am not satisfied with the styling of the three carousel example pages, even though they were really just experiments.. They could use some additional styling of the images themselves, or more specifically the margins and potential borders. Maybe designating them as bootstrap thumbnails might be a good start – still to be done.

Extras:

- WAVE assessment (details below)
  - I was able to resolve most of the errors and warnings, but not all (see details below)
- Responsive nav menu bar with pull downs, About this page…
- Carousel experiments
- Timeline with carousels and google map

WAVE Validation

index.html

WAVE has detected the following:

1 Errors

- TBD - WAVE detected an "extra" invisible button in my nav bar. My nav bar is based on a collection of nav bar examples so I'm not sure "where" the extra button is in the code.

0 Alerts – all resolved

- 11 alerts fixed with alt text
- 5 alerts fixed by changing paragraphs to headers
- 2 Alerts fixed

5 Features

6 Structural Elements

7 HTML5 and ARIA

0 Contrast Errors

blog.html

WAVE has detected the following:

- 1 Errors
    - (see index.html)
- 1 Alerts
    - 1 fixed by copying nav fixes from index.html
    - 1 alert fixed by lengthening some descriptive text that WAVE thought was a potential header
    - TBD – There is an H4 header in the “about this page” pulldown and WAVE does not like this because there is no H3 in the rest of the page.
- 0 Features
- 12 Structural Elements
- 7 HTML5 and ARIA
- 0 Contrast Errors

carousel.html

WAVE has detected the following:

- 3 Errors
    - (1 error – see index.html)
    - TBD – 2 errors – the carousel previous and next buttons have not text. Will have to search around for a potential solution that doesn’t require actually showing text
- 0 Alerts
    - 2 alerts fixed with alt text
    - 1 alert fixed by adding an H1
- 1 Features
- 5 Structural Elements
- 6 HTML5 and ARIA
- 0 Contrast Errors

carouselB.html

WAVE has detected the following:

- 3 Errors (see carousel.html)
- 0 Alerts
    - Fixed 27 alterts
- 27 Features
- 6 Structural Elements
- 6 HTML5 and ARIA
- 0 Contrast Errors

carouselC.html

WAVE has detected the following:

- 3 Errors (see carousel.html)
- 0 Alerts
    - Fixed 81 alerts
- 81 Features
- 6 Structural Elements
- 6 HTML5 and ARIA
- 0 Contrast Errors

timeline.html

WAVE has detected the following:

- 1 Errors
    - (see index.html)
- 0 Alerts
    - 9 alerts fixed
- 8 Features
- 16 Structural Elements
- 6 HTML5 and ARIA
- 14 Contrast Errors
    - I'm not sure where it thinks the contrast errors