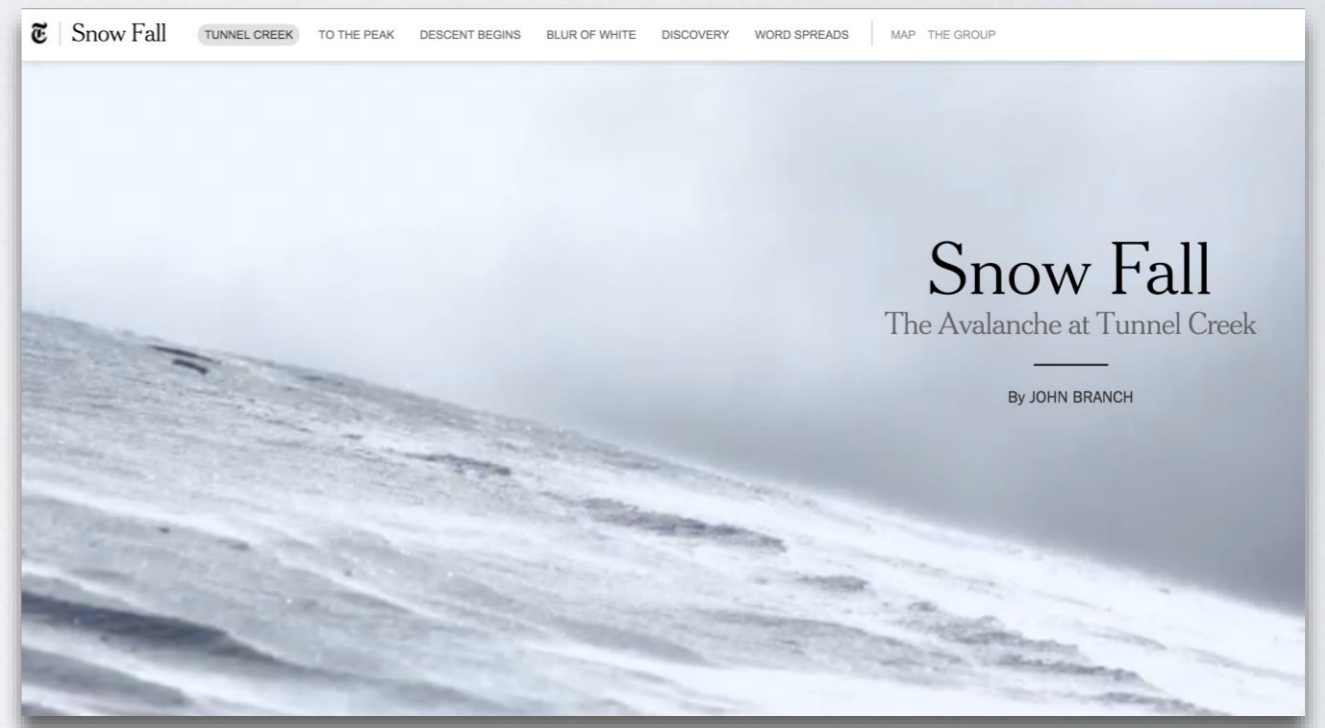# "SNOW FALL"ING
Special Collections & Archives

Internet Librarian 2015
Jason Paul Michel, User Experience Librarian
Marcus Ladd, Special Collections Digital Librarian
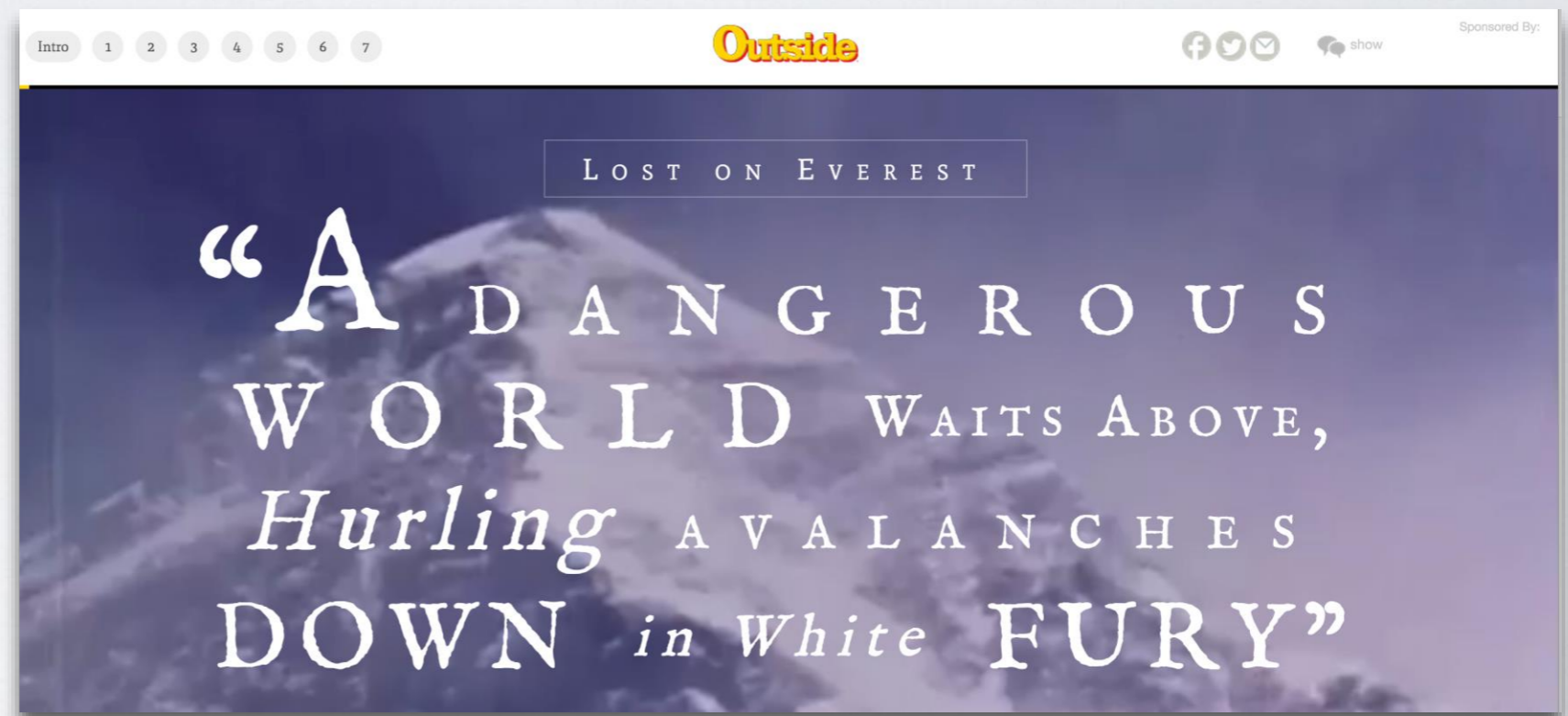
THE INSPIRATION
The New York Times' "Snow Fall" Web Site

VERTICAL SCROLLING DESIGN PATTERN TREND

- Outside Online

- Mashable

- The Atlantic

THE CONNECTION

We saw a *potential connection* between this form of storytelling and Special Collections. Special Collections are full of interesting, rich and unique stories.

Their digital representation, while widespread in content management systems such as ContentDM, *can be lacking in sensory appeal*.

COLLECTIONS VS. EXHIBITS

Library stacks are not an exhibit room. Digital collections are not online exhibits.

Neither has a narrative.

IN NEED OF A NARRATIVE

An exhibit draws from a collection (but isn't limited to it), arranging materials not to optimize storage and retrieval but to make a point and tell a story.

NEEDS & OPTIONS

CONTENTdm

Already in use
Good metadata
Good display
options

Not an exhibit
Object-oriented

Omeka

Exhibit options
Open source

Object-oriented

What We Need

Exhibit-focused

Open source

Story-oriented
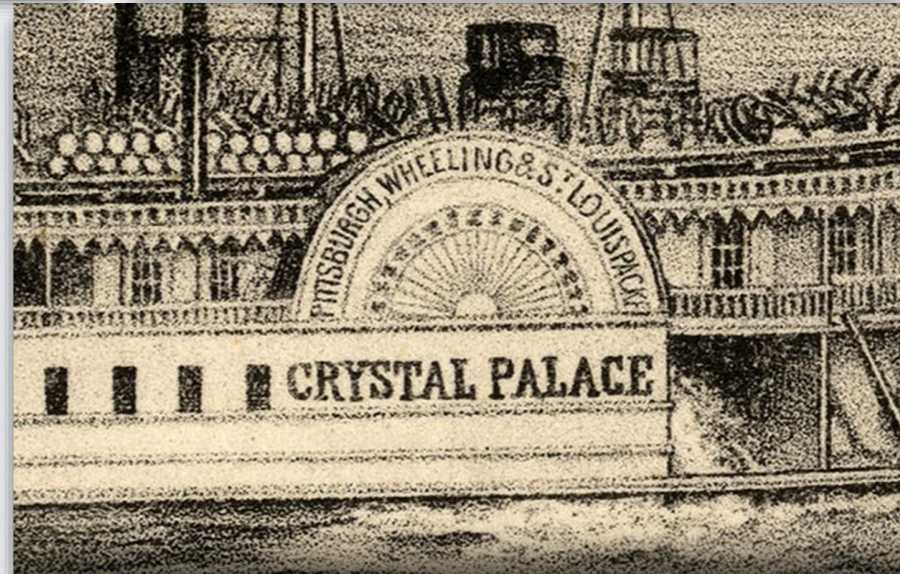
PUTTING IT TO USE

Cradle of Coaches
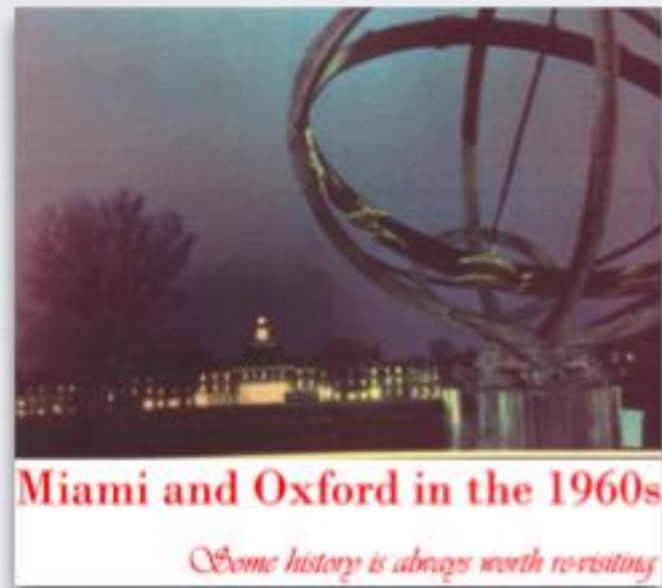
Stories of
Freedom Summer

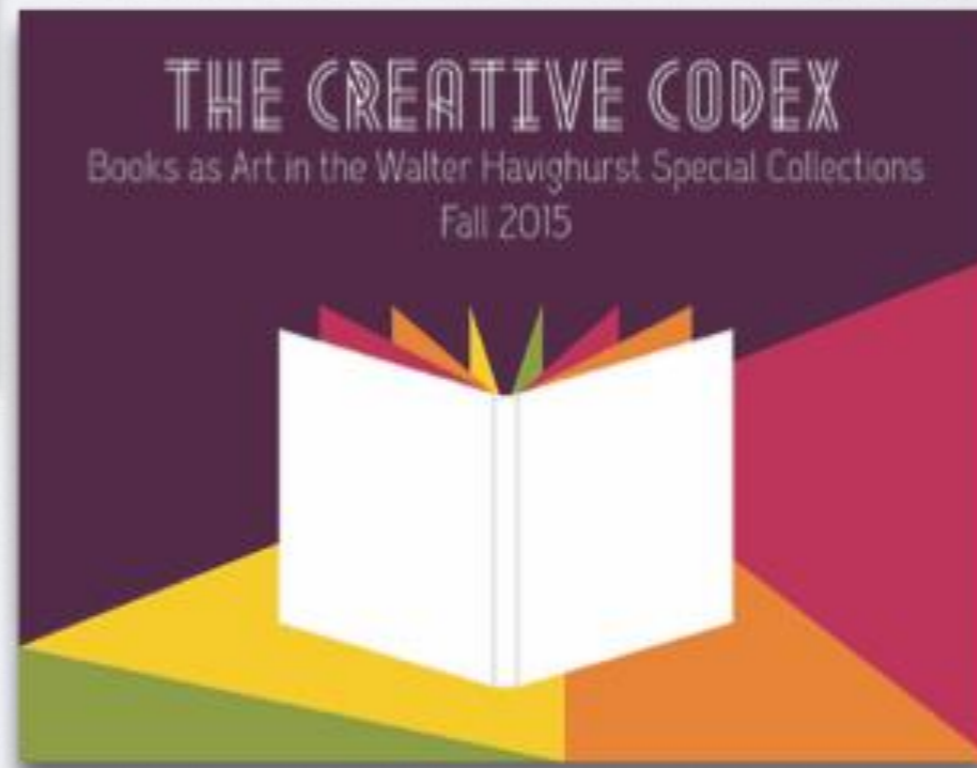The Ready Ones

Covington's
Cincinnati

NOT FOR ALL ONLINE EXHIBITS

Revisiting Oxford

The Creative Codex

A Gift of History

UNDERSTANDING THE DIFFERENCE

The Creative Codex

Stories of
Freedom Summer
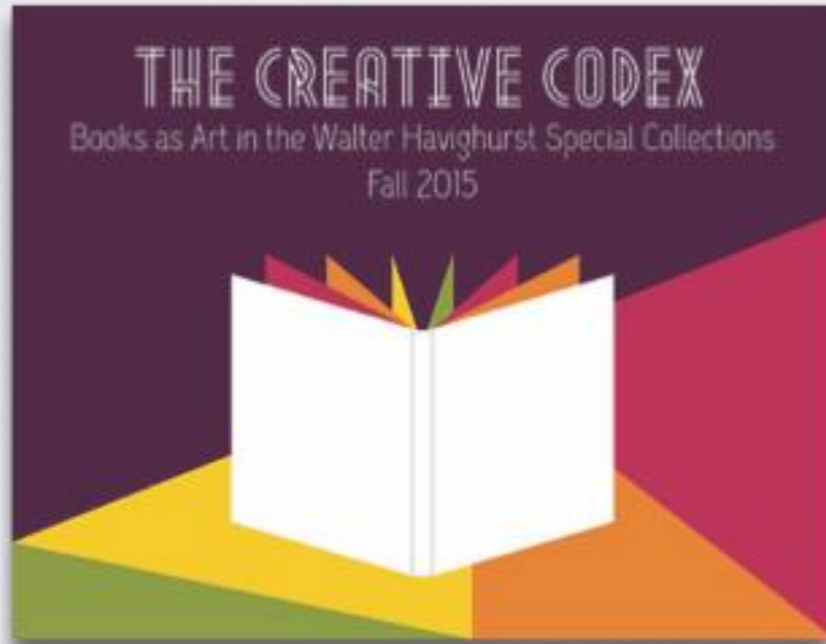
Object-oriented	Story-oriented
Little narrative	Strong narrative
Little media used beyond objects	Media from outside the collection

TECHNICAL ELEMENTS

- Parallax effect

- Fading imagery

- Progress bar

- Image lightbox

- Sliding transparent overlays

PARALLAX EFFECT

PARALLAX EFFECT

jQuery

```
$('section[data-type="background"]').each(function(){
    var $bgobj  =   $(this); //  assigning    the object
    $(window).scroll(function()  {
    var yPos=   -($(window).scrollTop()  /   $bgobj.data('speed'));
    //  Put together our final    background   position
    var coords   =   '50%'+ yPos +    'px';
    //  Move the background
    $bgobj.css({ backgroundPosition:  coords  });
    });
    });
```

HTML/CSS

```
#div{
background: url(../../files/img/paul-brown-banner.jpg) 50%    0 repeat fixed;
}

<section id="div" class="banner_background" data-type="background" data-speed="10">
</section>
```

IMAGE FADING EFFECT

Paul Brown | Weeb Ewbank | Ara Parseghian | John Pont | Bo Schembechler | Carm Cozza | Sid Gillman

In the fall of 1926, after graduating high school, Paul Brown enrolled at Ohio State University with the dream of suiting up for the Buckeyes football team. However, this dream came to an abrupt end when an assistant coach told him he was too small and was not even allowed to try out for the team. His time in Columbus only lasted one year and he transferred to Miami University that next fall.

Fortunately for Brown, Chester Pittser and the Miami coaching staff did not find him to be too small, and allowed him onto the team. Due to injuries, Brown was named the starting quarterback his junior year and never let go of it. He guided the Redskins to records of 6-2 as a junior, and 7-2 as a senior.

In 1930, after graduating from Miami, Brown moved from Oxford to Maryland to teach/coach at Severn Prep High School. Brown was only at Severn for two seasons, 1930 and 1931. They went 12-2-1 in his two seasons and won the state championship in 1930.

After the 1931 season the head coaching job in Massillon, Brown's alma mater, became available. Brown was named their next head coach. So in 1932 he returned to his hometown and would stay there for the next nine years. Along with coaching football, he also taught History and English.

When Brown got to Massillon the team was coming off a 2-10 season, and he knew the team had a long way to go. While they improved to 5-4-1 in his first year, it was still well below his standards. In 1933 they improved to 8-2, and again to 9-1 in 1934. In 1934 Brown was named athletic director in addition to his coaching duties. From 1935 to 1940 Brown's Tigers won 58 games, including 35 straight wins, 6 state championships and 4 national championships. He was also named Director of Recreation for the city of Massillon. His final record at Washington High School was 80-8-2. Due to the success of the team, in 1937 they were able to afford to build a new stadium. This was later renamed to Paul Brown Tiger Stadium.

IMAGE FADING EFFECT

jQuery plugin $().fade_on_scroll();

```javascript
//for each element, do the following
$(self).each(function(index){
var  elem  =     $(this);
var  elem_offset     =     elem.offset();
var  elem_height     =     elem.height();
var  elem_height_half     =     (elem_height/2);
//  if  location  is  greater  than the  top  of  the  elem offset    it    means
      the  elem is  in  the  viewport  and  we    can  thus fade it   in   by
incrementally   adding    to   its  css  opacity

if (location >= elem_offset.top  && location < (elem_offset.top  + elem_height +
window_height)) {
//begin code to fade in element. scroll speed is detected and rate at which element
//fades in changes based upon that decision
if    ((scrolltop - posWas) > 15) {
    var incrementer = 0.2;
    } else {
    var incrementer = 0.01;
    }
    var get_opacity = (elem.css("opacity") * 1);
    var set_opacity = get_opacity +  incrementer;
    elem.css("opacity",set_opacity);
}
```

IMAGE FADING EFFECT

jQuery plugin $().fade_on_scroll() Usage

```
$('img').fade_on_scroll();
```

PROGRESS BAR

The Cradle of Coaches | Paul Brown | Weeb Ewbank | Ara Parseghian | John Pont | Bo Schembechler | Carm Cozza | Sid Gillman | Tweet

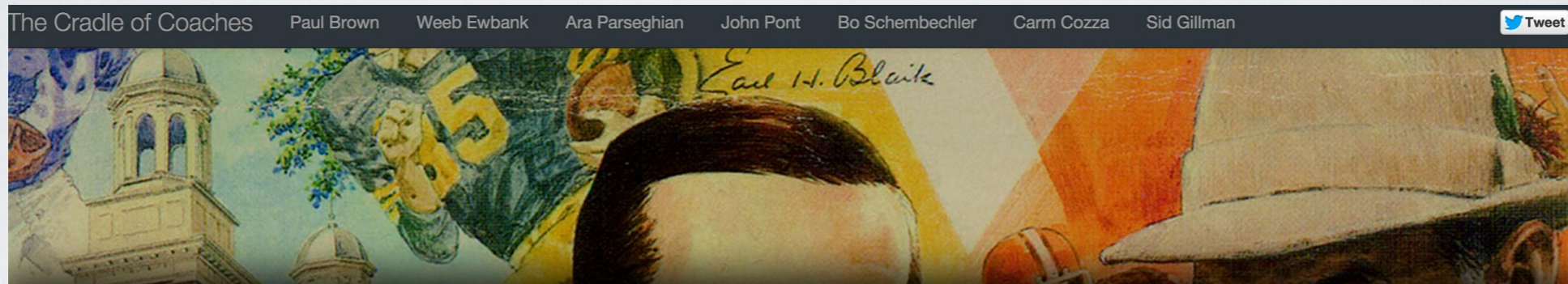## The Cradle of Coaches
A Legacy of Excellence

PARALLAX EFFECT

Skrollr.js (jQuery Library)

Bootstrap helper classes

```
<div class="progress progress-danger progress-striped">
<div id="progress" class="bar" data-0="width:0%;" data-end="width 100%;"></div>
</div>
```

IMAGE LIGHTBOX

IMAGE LIGHTBOX

Lightbox.js (jQuery Library)

```
<a href="files/img/paul-brown-playbook.jpg" data-lightbox="paul-brown-playbook"
title="Paul Brown Playbook">
<imgsrc="files/img/paul-brown-playbook-detail.jpg"       class="img-polaroid pull-left on_page
</a>
```

Bootstrap helper classes

SLIDING TRANSPARENT OVERLAYS

PARALLAX EFFECT

HTML/CSS

```
.img_overlay{
display: none;
position: relative;
border-top: 1px solid #000;
border-right: 2px solid #000;
border-left: 2px solid #000;
left: 0;
background:rgba(195,48,48,0.90);
}


<div class="overlay">
<img class="image_overlay" src="files/img/narduzzi.jpg"   />
<div class="img_overlay">
<h4>Bill Narduzzi</h4><p>Biographical text goes here.</p>
</div>
</div>
```

PARALLAX EFFECT

jQuery

```
$('img.image_overlay').load(function() {
var div_width = $('img.image_overlay').width();
var div_height = $('img.image_overlay').height();
$('div.overlay').width(div_width);
$('div.overlay').height(div_height);
$('.img_overlay').height(div_height);
$('.img_overlay').css("bottom",div_height);
  $('div.overlay').mouseenter(function() {
    $('.img_overlay').show("slide",{direction:"down"},150);
  });
  $('div.overlay').mouseleave(function() {
    $('.img_overlay').hide("slide",{direction:"down"},150);
  });
});
```

FUTURE ENHANCEMENTS

- More Responsive

- More CSS helper classes (e.g. pull-quotes)

- Administrative interface allowing developers ability to add/edit content without touching code.

CONCLUSION

By developing a platform that *presents a story* in a similar way t
As libraries continue to look for new and innovative ways to con

- https://github.com/micheljp/snow-fall-special-collections
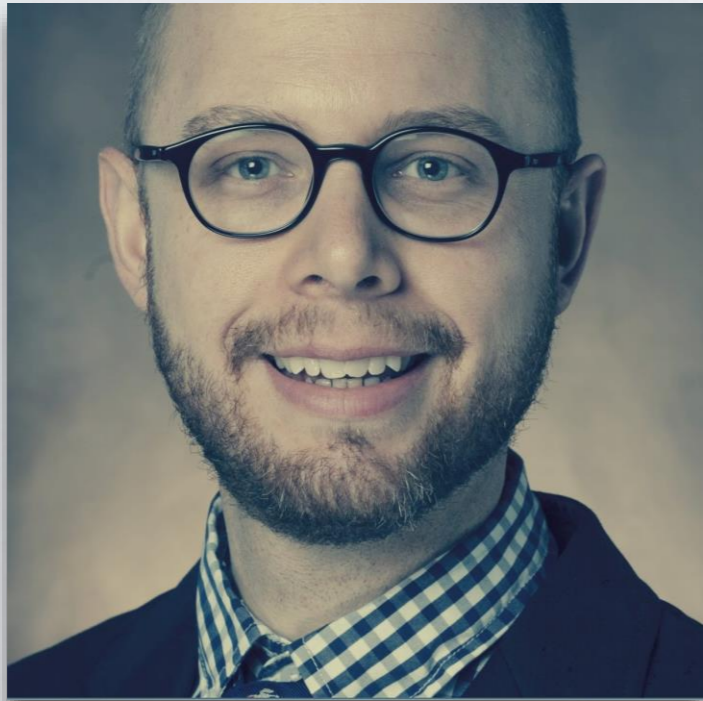
Jason Michel
micheljp@miamioh.edu

Marcus Ladd
laddmm@miamioh.edu