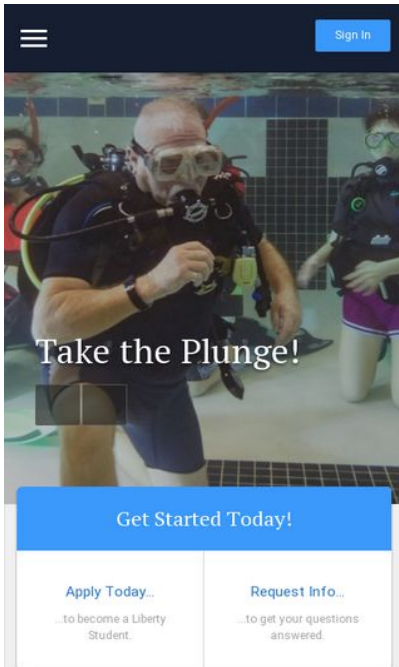


# PageSpeed Insights

Mobile



44 / 100 Speed

! Should Fix:

## Leverage browser caching

Setting an expiry date or a maximum age in the HTTP headers for static resources instructs the browser to load previously downloaded resources from local disk rather than over the network.

[Leverage browser caching](#) for the following cacheable resources:

- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/360Tour.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/BackArrow.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/DropdownArrow.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/LinkArrow.svg> (expiration not specified)

## Mobile

- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/MobileMenuArrow.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/MobileSearch.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/PlayButton.svg> (expiration not specified)
- <http://www.liberty.edu/archives/public/photos/524.jpg> (expiration not specified)
- <http://www.liberty.edu/archives/public/photos/Liberty-Journal-Spotlight.jpeg> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/css/additions.css> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/img/LibertyAcademics.jpg> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/img/MoreThanAMajor.jpg> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/img/WeBelieveInLiberty.jpg> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/js/footer-scripts.js> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/js/header-scripts.js> (expiration not specified)
- <http://www.liberty.edu/media/1971/assets/FindYourDegree.jpg> (expiration not specified)
- [http://www.liberty.edu/media/1971/main\\_slideshow\\_img/sizes/Scuba-class\\_960.jpg](http://www.liberty.edu/media/1971/main_slideshow_img/sizes/Scuba-class_960.jpg) (expiration not specified)
- <http://www.liberty.edu/templates/edu/css/min/common.min.css> (expiration not specified)
- <http://www.liberty.edu/templates/edu/css/min/homepage.min.css> (expiration not specified)
- <http://www.liberty.edu/templates/edu/img/videoPlaceholder.JPG> (expiration not specified)
- <http://www.liberty.edu/templates/edu/js/min/core.min.js> (expiration not specified)
- <http://www.liberty.edu/templates/edu/js/min/functions.js> (expiration not specified)
- <http://www.liberty.edu/templates/edu/js/moment.min.js> (expiration not specified)
- [http://www.liberty.edu/wwwadmin/globals/globalheader/dsp\\_globalheader\\_https.js](http://www.liberty.edu/wwwadmin/globals/globalheader/dsp_globalheader_https.js) (expiration not specified)
- <http://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/easyXDM.min.js> (expiration not specified)
- <http://www.liberty.edu/wwwadmin/images/v4template/news/Byron-No.-9-car-Liberty-color->

## Mobile

- scheme-20170124\_240.jpg (expiration not specified)
- [http://www.liberty.edu/wwwadmin/images/v4template/news/Eagle-Scholars\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/Eagle-Scholars_240.jpg) (expiration not specified)
- [http://www.liberty.edu/wwwadmin/images/v4template/news/falwellcarter\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/falwellcarter_240.jpg) (expiration not specified)
- [http://www.liberty.edu/wwwadmin/images/v4template/news/jonathan-cain-journey-liberty-university-convocation-201701231135JEh2\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/jonathan-cain-journey-liberty-university-convocation-201701231135JEh2_240.jpg) (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/globalheader/min/gh.min.css> (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/globalheader/min/gh.min.js> (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/globalheader/scripts/jquery.scrollbar.min.js> (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/easyXDM.min.js> (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/json2.js> (expiration not specified)
- <http://accdn.lpsnmedia.net/api/account/38240396/configuration/le-campaigns/campaigns/503961512/engagements/509187512/revision/325?v=3.0&cb=lp509187512&flavor=dependency> (33 seconds)
- <http://accdn.lpsnmedia.net/api/account/38240396/configuration/le-campaigns/zones?fields=id&fields=zoneValue&cb=lpZonesStaticCB> (33 seconds)
- <http://cdn.liberty.edu/templates/edu/images/Freedom-Tower.jpg> (3 minutes)
- <http://lptag.liveperson.net/lptag/api/account/38240396/configuration/applications/taglets/.jsonp?df=2&b=1> (10.5 minutes)
- <https://lptag.liveperson.net/lptag/api/account/38240396/configuration/applications/taglets/.jsonp?df=2&wl=lpTransporter&b=1> (10.5 minutes)
- <http://www.googletagmanager.com/gtm.js?id=GTM-PVPCL2> (15 minutes)
- <http://www.google-analytics.com/plugins/ua/linkid.js> (60 minutes)
- <http://stats.g.doubleclick.net/dc.js> (2 hours)
- <http://www.google-analytics.com/analytics.js> (2 hours)

Eliminate render-blocking JavaScript and CSS in above-the-fold content

## Mobile

Your page has 7 blocking script resources and 7 blocking CSS resources. This causes a delay in rendering your page.

None of the above-the-fold content on your page could be rendered without waiting for the following resources to load. Try to defer or asynchronously load blocking resources, or inline the critical portions of those resources directly in the HTML.

### [Remove render-blocking JavaScript:](#)

- <http://ajax.googleapis.com/ajax/libs/jquery/1.7.2/jquery.min.js>
- <http://www.liberty.edu/media/14140/templates/edu/js/header-scripts.js>
- [http://www.liberty.edu/wwwadmin/globals/globalheader/dsp\\_globalheader\\_https.js](http://www.liberty.edu/wwwadmin/globals/globalheader/dsp_globalheader_https.js)
- <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/easyXDM.min.js>
- <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/json2.js>
- <https://www.liberty.edu/wwwadmin/globals/globalheader/min/gh.min.js>
- <https://www.liberty.edu/wwwadmin/globals/globalheader/scripts/jquery.scrollbar.min.js>

### [Optimize CSS Delivery](#) of the following:

- <https://fonts.googleapis.com/css?family=PT+Serif:400,700|Roboto:400,500,700>
- <http://www.liberty.edu/templates/edu/css/min/common.min.css>
- <http://www.liberty.edu/templates/edu/css/min/homepage.min.css>
- <http://www.liberty.edu/media/14140/templates/edu/css/additions.css>
- <https://www.liberty.edu/wwwadmin/globals/globalheader/min/gh.min.css>
- <https://fonts.googleapis.com/css?family=Open+Sans:400,400italic,700,700italic>
- <https://fonts.googleapis.com/css?family=Roboto:400,700>

## Optimize images

Properly formatting and compressing images can save many bytes of data.

[Optimize the following images](#) to reduce their size by 247.5KiB (53% reduction).

## Mobile

- Compressing <http://www.liberty.edu/archives/public/photos/Liberty-Journal-Spotlight.jpeg> could save 101.3KiB (72% reduction).
- Compressing <http://www.liberty.edu/media/14140/templates/edu/img/LibertyAcademics.jpg> could save 57.7KiB (45% reduction).
- Compressing <http://www.liberty.edu/media/14140/templates/edu/img/WeBelieveInLiberty.jpg> could save 43.2KiB (48% reduction).
- Compressing <http://www.liberty.edu/media/14140/templates/edu/img/MoreThanAMajor.jpg> could save 43.2KiB (48% reduction).
- Compressing [http://www.liberty.edu/wwwadmin/images/v4template/news/jonathan-cain-journey-liberty-university-convocation-201701231135JEh2\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/jonathan-cain-journey-liberty-university-convocation-201701231135JEh2_240.jpg) could save 1.1KiB (14% reduction).
- Compressing [http://www.liberty.edu/wwwadmin/images/v4template/news/Byron-No.-9-car-Liberty-color-scheme-20170124\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/Byron-No.-9-car-Liberty-color-scheme-20170124_240.jpg) could save 969B (15% reduction).



### Consider Fixing:

#### Minify CSS

Compacting CSS code can save many bytes of data and speed up download and parse times.

[Minify CSS](#) for the following resources to reduce their size by 593B (12% reduction).

- Minifying <http://www.liberty.edu/media/14140/templates/edu/css/additions.css> could save 593B (12% reduction) after compression.

#### Minify HTML

Compacting HTML code, including any inline JavaScript and CSS contained in it, can save many bytes of data and speed up download and parse times.

[Minify HTML](#) for the following resources to reduce their size by 1,009B (40% reduction).

- Minifying <http://www.liberty.edu/wwwadmin/globals/globalheader/includes/cors.init.html?xd>

## Mobile

m\_e=http%3A%2F%2Fwww.liberty.edu%2F&xdm\_c=default4667&xdm\_p=4 could save 1,009B (40% reduction) after compression.

### Minify JavaScript

Compacting JavaScript code can save many bytes of data and speed up downloading, parsing, and execution time.

[Minify JavaScript](#) for the following resources to reduce their size by 4.5KiB (58% reduction).

- Minifying <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/json2.js> could save 4KiB (75% reduction) after compression.
- Minifying <http://www.liberty.edu/media/14140/templates/edu/js/footer-scripts.js> could save 580B (23% reduction) after compression.



### 4 Passed Rules

#### Avoid landing page redirects

Your page has no redirects. Learn more about [avoiding landing page redirects](#).

#### Enable compression

You have compression enabled. Learn more about [enabling compression](#).

#### Reduce server response time

Your server responded quickly. Learn more about [server response time optimization](#).

#### Prioritize visible content

You have the above-the-fold content properly prioritized. Learn more about [prioritizing visible content](#).

### 99 / 100 User Experience

#### Consider Fixing:

#### Size tap targets appropriately

Some of the links/buttons on your webpage may be too small for a user to easily tap on a touchscreen. Consider [making these tap targets larger](#) to provide a better user experience.

The following tap targets are close to other nearby tap targets and may need additional spacing around them.

- The tap target `<a id="lu-gh-login-mobile" href="https://www.li...liberty.edu%2F" class="appToggleEmbed">Sign In</a>` is close to 1 other tap targets final.
- The tap target `<a class="hamMenu"></a>` is close to 1 other tap targets final.
- The tap target `<a class="hamMenu"></a>` is close to 1 other tap targets final.
- The tap target `<li class="happeningImg cycle-slide"></li>` is close to 2 other tap targets.
- The tap target `<a href="/index.cfm?PID=9584">Contact Information</a>` is close to 2 other tap targets.
- The tap target `<div id="LPMcontainer-1485319194620-0" class="LPMcontainer LPMoverlay">Chat Live</div>` is close to 1 other tap targets.
- The tap target `<div id="LPMcontainer-1485319194620-0" class="LPMcontainer LPMoverlay">Chat Live</div>` is close to 1 other tap targets.

#### 4 Passed Rules

#### Avoid plugins

Your page does not appear to use plugins, which would prevent content from being usable on many platforms. Learn more about the importance of [avoiding plugins](#).

## Mobile

### Configure the viewport

Your page specifies a viewport matching the device's size, which allows it to render properly on all devices. Learn more about [configuring viewports](#).

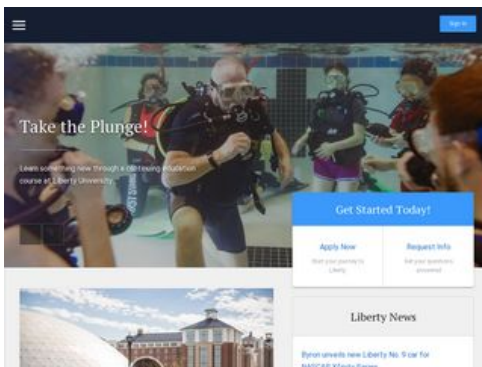
### Size content to viewport

The contents of your page fit within the viewport. Learn more about [sizing content to the viewport](#).

### Use legible font sizes

The text on your page is legible. Learn more about [using legible font sizes](#).

## Desktop



57 / 100 Speed

! Should Fix:

### Leverage browser caching

Setting an expiry date or a maximum age in the HTTP headers for static resources instructs the browser to load previously downloaded resources from local disk rather than over the network.



## Desktop

[Leverage browser caching](#) for the following cacheable resources:

- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/360Tour.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/BackArrow.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/DropdownArrow.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/LinkArrow.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/MobileMenuArrow.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/MobileSearch.svg> (expiration not specified)
- <http://cdn.liberty.edu/templates/edu/svg/build/svg/defs-svg/PlayButton.svg> (expiration not specified)
- <http://www.liberty.edu/archives/public/photos/524.jpg> (expiration not specified)
- <http://www.liberty.edu/archives/public/photos/Liberty-Journal-Spotlight.jpeg> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/css/additions.css> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/img/LibertyAcademics.jpg> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/img/MoreThanAMajor.jpg> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/img/WeBelieveInLiberty.jpg> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/js/footer-scripts.js> (expiration not specified)
- <http://www.liberty.edu/media/14140/templates/edu/js/header-scripts.js> (expiration not specified)
- <http://www.liberty.edu/media/1971/assets/FindYourDegree.jpg> (expiration not specified)
- [http://www.liberty.edu/media/1971/main\\_slideshow\\_img/sizes/Scuba-class\\_1024.jpg](http://www.liberty.edu/media/1971/main_slideshow_img/sizes/Scuba-class_1024.jpg) (expiration not specified)
- <http://www.liberty.edu/templates/edu/css/min/common.min.css> (expiration not specified)
- <http://www.liberty.edu/templates/edu/css/min/homepage.min.css> (expiration not specified)

## Desktop

- <http://www.liberty.edu/templates/edu/img/videoPlaceholder.JPG> (expiration not specified)
- <http://www.liberty.edu/templates/edu/js/min/core.min.js> (expiration not specified)
- <http://www.liberty.edu/templates/edu/js/min/functions.js> (expiration not specified)
- <http://www.liberty.edu/templates/edu/js/moment.min.js> (expiration not specified)
- [http://www.liberty.edu/wwwadmin/globals/globalheader/dsp\\_globalheader\\_https.js](http://www.liberty.edu/wwwadmin/globals/globalheader/dsp_globalheader_https.js) (expiration not specified)
- <http://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/easyXDM.min.js> (expiration not specified)
- [http://www.liberty.edu/wwwadmin/images/v4template/news/Byron-No.-9-car-Liberty-color-scheme-20170124\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/Byron-No.-9-car-Liberty-color-scheme-20170124_240.jpg) (expiration not specified)
- [http://www.liberty.edu/wwwadmin/images/v4template/news/Eagle-Scholars\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/Eagle-Scholars_240.jpg) (expiration not specified)
- [http://www.liberty.edu/wwwadmin/images/v4template/news/falwellcarter\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/falwellcarter_240.jpg) (expiration not specified)
- [http://www.liberty.edu/wwwadmin/images/v4template/news/jonathan-cain-journey-liberty-university-convocation-201701231135JEh2\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/jonathan-cain-journey-liberty-university-convocation-201701231135JEh2_240.jpg) (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/globalheader/min/gh.min.css> (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/globalheader/min/gh.min.js> (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/globalheader/scripts/jquery.scrollbar.min.js> (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/easyXDM.min.js> (expiration not specified)
- <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/json2.js> (expiration not specified)
- <http://accdn.lpsnmedia.net/api/account/38240396/configuration/le-campaigns/zones?fields=id&fields=zoneValue&cb=lpZonesStaticCB> (22 seconds)
- <http://accdn.lpsnmedia.net/api/account/38240396/configuration/le-campaigns/campaigns/503961512/engagements/509187512/revision/325?v=3.0&cb=lp509187512&flavor=dependency> (28 seconds)
- <http://cdn.liberty.edu/templates/edu/images/Freedom-Tower.jpg> (2.8 minutes)
- <http://lptag.liveperson.net/lptag/api/account/38240396/configuration/applications/taglets/.jsonp?df=0&b=1> (10.5 minutes)
- <https://lptag.liveperson.net/lptag/api/account/38240396/configuration/applications/taglets/.jsonp?df=0&wl=lpTransporter&b=1> (10.5 minutes)

## Desktop

- <http://www.googletagmanager.com/gtm.js?id=GTM-PVPCL2> (15 minutes)
- <http://www.google-analytics.com/plugins/ua/linkid.js> (60 minutes)
- <http://stats.g.doubleclick.net/dc.js> (2 hours)
- <http://www.google-analytics.com/analytics.js> (2 hours)

## Eliminate render-blocking JavaScript and CSS in above-the-fold content

Your page has 7 blocking script resources and 7 blocking CSS resources. This causes a delay in rendering your page.

None of the above-the-fold content on your page could be rendered without waiting for the following resources to load. Try to defer or asynchronously load blocking resources, or inline the critical portions of those resources directly in the HTML.

### [Remove render-blocking JavaScript:](#)

- <http://ajax.googleapis.com/ajax/libs/jquery/1.7.2/jquery.min.js>
- <http://www.liberty.edu/media/14140/templates/edu/js/header-scripts.js>
- [http://www.liberty.edu/wwwadmin/globals/globalheader/dsp\\_globalheader\\_https.js](http://www.liberty.edu/wwwadmin/globals/globalheader/dsp_globalheader_https.js)
- <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/easyXDM.min.js>
- <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/json2.js>
- <https://www.liberty.edu/wwwadmin/globals/globalheader/min/gh.min.js>
- <https://www.liberty.edu/wwwadmin/globals/globalheader/scripts/jquery.scrollbar.min.js>

### [Optimize CSS Delivery](#) of the following:

- <https://fonts.googleapis.com/css?family=PT+Serif:400,700|Roboto:400,500,700>
- <http://www.liberty.edu/templates/edu/css/min/common.min.css>
- <http://www.liberty.edu/templates/edu/css/min/homepage.min.css>
- <http://www.liberty.edu/media/14140/templates/edu/css/additions.css>
- <https://www.liberty.edu/wwwadmin/globals/globalheader/min/gh.min.css>
- <https://fonts.googleapis.com/css?family=Open+Sans:400,400italic,700,700italic>

## Desktop

- <https://fonts.googleapis.com/css?family=Roboto:400,700>

## Optimize images

Properly formatting and compressing images can save many bytes of data.

[Optimize the following images](#) to reduce their size by 380.8KiB (61% reduction).

- Compressing and resizing <http://www.liberty.edu/media/1971/assets/FindYourDegree.jpg> could save 117.4KiB (83% reduction).
- Compressing <http://www.liberty.edu/archives/public/photos/Liberty-Journal-Spotlight.jpeg> could save 101.3KiB (72% reduction).
- Compressing <http://www.liberty.edu/media/14140/templates/edu/img/LibertyAcademics.jpg> could save 57.7KiB (45% reduction).
- Compressing <http://www.liberty.edu/media/14140/templates/edu/img/WeBelieveInLiberty.jpg> could save 43.2KiB (48% reduction).
- Compressing <http://www.liberty.edu/media/14140/templates/edu/img/MoreThanAMajor.jpg> could save 43.2KiB (48% reduction).
- Compressing and resizing <http://cdn.liberty.edu/templates/edu/images/Freedom-Tower.jpg> could save 15.9KiB (91% reduction).
- Compressing [http://www.liberty.edu/wwwadmin/images/v4template/news/jonathan-cain-journey-liberty-university-convocation-201701231135Jeh2\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/jonathan-cain-journey-liberty-university-convocation-201701231135Jeh2_240.jpg) could save 1.1KiB (14% reduction).
- Compressing [http://www.liberty.edu/wwwadmin/images/v4template/news/Byron-No.-9-car-Liberty-color-scheme-20170124\\_240.jpg](http://www.liberty.edu/wwwadmin/images/v4template/news/Byron-No.-9-car-Liberty-color-scheme-20170124_240.jpg) could save 969B (15% reduction).

## Consider Fixing:

## Minify CSS

Compacting CSS code can save many bytes of data and speed up download and parse times.

## Desktop

[Minify CSS](#) for the following resources to reduce their size by 593B (12% reduction).

- Minifying <http://www.liberty.edu/media/14140/templates/edu/css/additions.css> could save 593B (12% reduction) after compression.

## Minify HTML

Compacting HTML code, including any inline JavaScript and CSS contained in it, can save many bytes of data and speed up download and parse times.

[Minify HTML](#) for the following resources to reduce their size by 1,009B (40% reduction).

- Minifying [http://www.liberty.edu/wwwadmin/globals/globalheader/includes/cors.init.html?xdm\\_e=http%3A%2F%2Fwww.liberty.edu%2F&xdm\\_c=default6234&xdm\\_p=4](http://www.liberty.edu/wwwadmin/globals/globalheader/includes/cors.init.html?xdm_e=http%3A%2F%2Fwww.liberty.edu%2F&xdm_c=default6234&xdm_p=4) could save 1,009B (40% reduction) after compression.

## Minify JavaScript

Compacting JavaScript code can save many bytes of data and speed up downloading, parsing, and execution time.

[Minify JavaScript](#) for the following resources to reduce their size by 4.5KiB (58% reduction).

- Minifying <https://www.liberty.edu/wwwadmin/globals/scripts/easyXDM-2.4.15.118/json2.js> could save 4KiB (75% reduction) after compression.
- Minifying <http://www.liberty.edu/media/14140/templates/edu/js/footer-scripts.js> could save 580B (23% reduction) after compression.



4 Passed Rules

# Desktop

## Avoid landing page redirects

Your page has no redirects. Learn more about [avoiding landing page redirects](#).

## Enable compression

You have compression enabled. Learn more about [enabling compression](#).

## Reduce server response time

Your server responded quickly. Learn more about [server response time optimization](#).

## Prioritize visible content

You have the above-the-fold content properly prioritized. Learn more about [prioritizing visible content](#).