

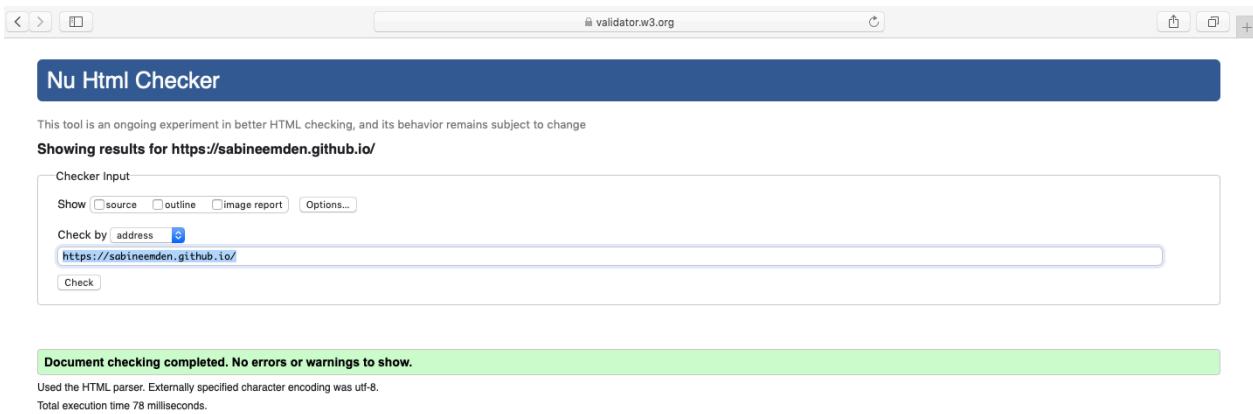
Project Description

For the [Web Design for Everybody Capstone](#), I designed and implemented a single-page web development portfolio site using Bootstrap 4 as a framework.

You can view the page at <https://sabineemden.github.io>. It is hosted by GitHub Pages. You can see the code in my GitHub repository at <https://github.com/Sabine-Emden/SabineEmden.github.io>.

Does the Site Validate?

The site fully validates. The [W3C markup validator](#) shows no errors or warnings.



The screenshot shows the Nu Html Checker interface. At the top, there's a header bar with browser-like controls (back, forward, search, etc.) and the URL "validator.w3.org". Below the header is a dark blue navigation bar with the text "Nu Html Checker". A sub-header below it says "This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change". The main content area has a title "Showing results for https://sabineemden.github.io/" and a "Checker Input" section. In this section, there are checkboxes for "source", "outline", "image report", and "Options...". Below these is a "Check by address" input field containing the URL "https://sabineemden.github.io/" and a "Check" button. At the bottom of the page, a green bar displays the message "Document checking completed. No errors or warnings to show." followed by some small, less readable text about the parser and execution time.

[About this checker](#) • [Report an issue](#) • Version: 18.11.28

Is the Site Responsible?

The site has two different views with a unique layout for each view.

Extra Small and Small Devices

For extra small and small viewport widths, all four sections have a single-column layout.

A screenshot of a web browser window displaying a personal website. The address bar shows the URL "sabineemden.github.io". The page title is "Sabine Emden". On the right side, there is a menu icon consisting of three horizontal lines. The main content area features a large, centered portrait photo of a woman with shoulder-length brown hair, smiling. Below the photo, the text "Hi, I'm Sabine." is displayed in a large, bold, black font. Underneath this, a smaller paragraph reads: "I do web development and programming because I love analytical thinking, creative problem solving, and lifelong learning." At the bottom of the page is a red button with the white text "Contact me".

A screenshot of a web browser window displaying a resume page. The address bar shows the URL `sabineemden.github.io`. The page title is "Sabine Emden". A three-line menu icon is in the top right corner. The main content is organized into sections:

- Skills**
 - Web Development**
 - HTML
 - CSS
 - JavaScript
 - Responsive web design
 - Bootstrap
 - Web accessibility
 - Programming**
 - Command line
 - Git
 - GitHub
 - Non-Technical**
 - Continuous learning
 - Problem solving
 - Project management
 - Intercultural communication
 - Bilingual in English and German
- Projects**

At the bottom right of the page is a link back to top ^.

Sabine Emden

Projects

Portfolio Website

Designed and implemented a responsive website for a minimum of two platforms while adhering to validation and accessibility standards.

The screenshot shows a web browser window displaying a portfolio website. The URL in the address bar is `sabineemden.github.io`. The page title is "Sabine Emden". On the right side, there is a navigation menu icon consisting of three horizontal lines. Below the title, the word "Projects" is displayed in a large, bold font. A section titled "Portfolio Website" follows, containing a descriptive paragraph about designing and implementing a responsive website for at least two platforms while maintaining validation and accessibility standards. The main content area features a central portrait of a woman with short brown hair, smiling. To the left of the portrait is a vertical gray sidebar, and to the right is another vertical gray sidebar. At the bottom of the main content area, there is a section titled "Skills used:" which lists "HTML, CSS, Bootstrap 4, responsive web design, web accessibility". Below this, there is a section titled "Course project:" which lists "Web Design for Everybody Capstone". At the very bottom of the page, there is a footer with links to "Skills", "Projects", and "About Me", along with a red "Contact me" button. Above the footer, social media links for LinkedIn, GitHub, and Twitter are visible under the heading "Connect with me".

Hi, I'm Sabine.

I do web development and programming because I love analytical thinking, creative problem solving, and lifelong learning.

Contact me

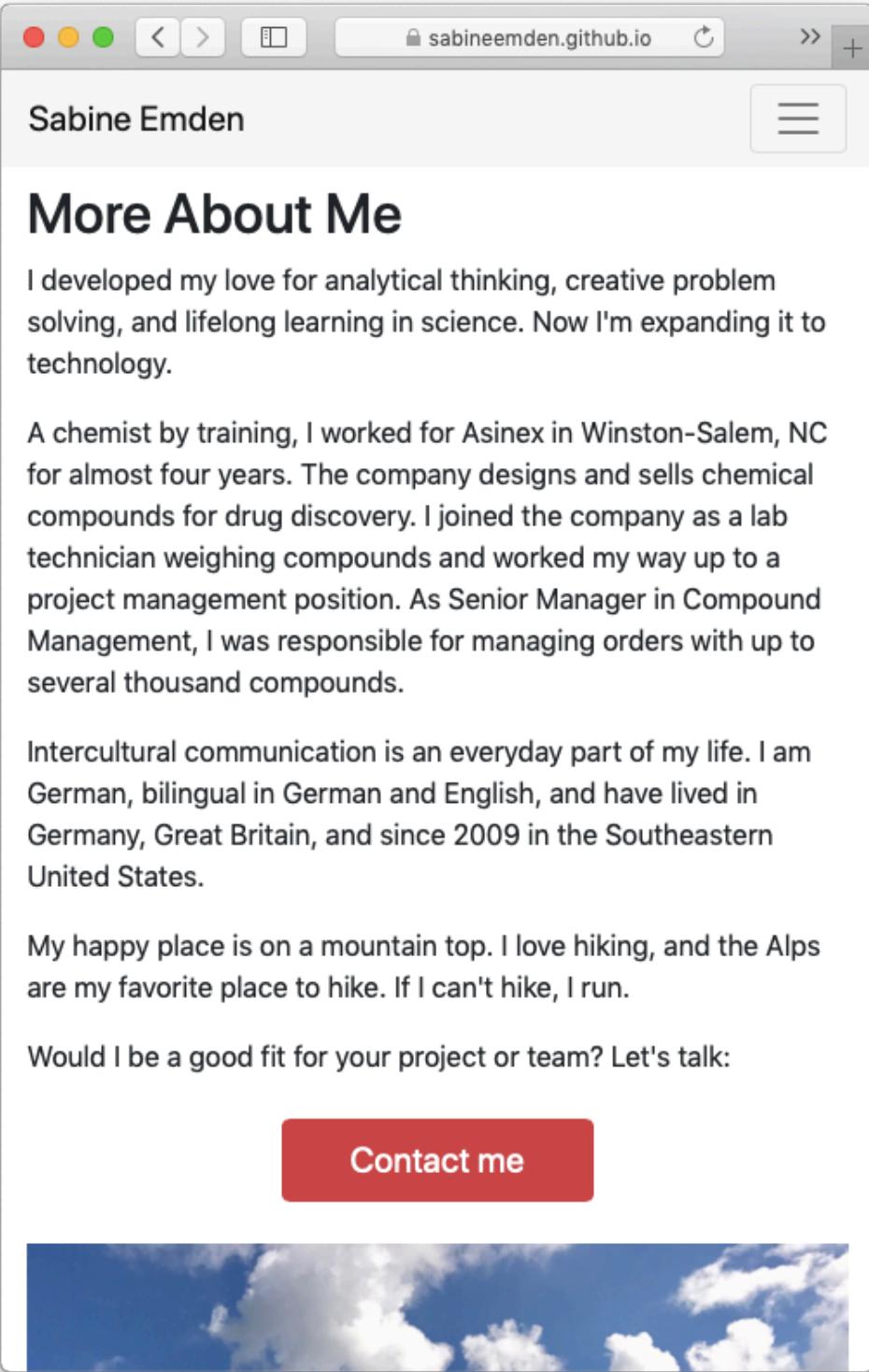
Skills Projects About Me

Skills used:

HTML, CSS, Bootstrap 4, responsive web design, web accessibility

Course project:

Web Design for Everybody Capstone

A screenshot of a web browser window displaying a resume page. The address bar shows the URL `sabineemden.github.io`. The page title is "Sabine Emden". A navigation menu icon is visible in the top right corner. The main content section has a heading "More About Me". Below it is a paragraph about the author's background in chemistry and pharmaceuticals, followed by sections on her language skills, hobbies (hiking), and a call-to-action button.

More About Me

I developed my love for analytical thinking, creative problem solving, and lifelong learning in science. Now I'm expanding it to technology.

A chemist by training, I worked for Asinex in Winston-Salem, NC for almost four years. The company designs and sells chemical compounds for drug discovery. I joined the company as a lab technician weighing compounds and worked my way up to a project management position. As Senior Manager in Compound Management, I was responsible for managing orders with up to several thousand compounds.

Intercultural communication is an everyday part of my life. I am German, bilingual in German and English, and have lived in Germany, Great Britain, and since 2009 in the Southeastern United States.

My happy place is on a mountain top. I love hiking, and the Alps are my favorite place to hike. If I can't hike, I run.

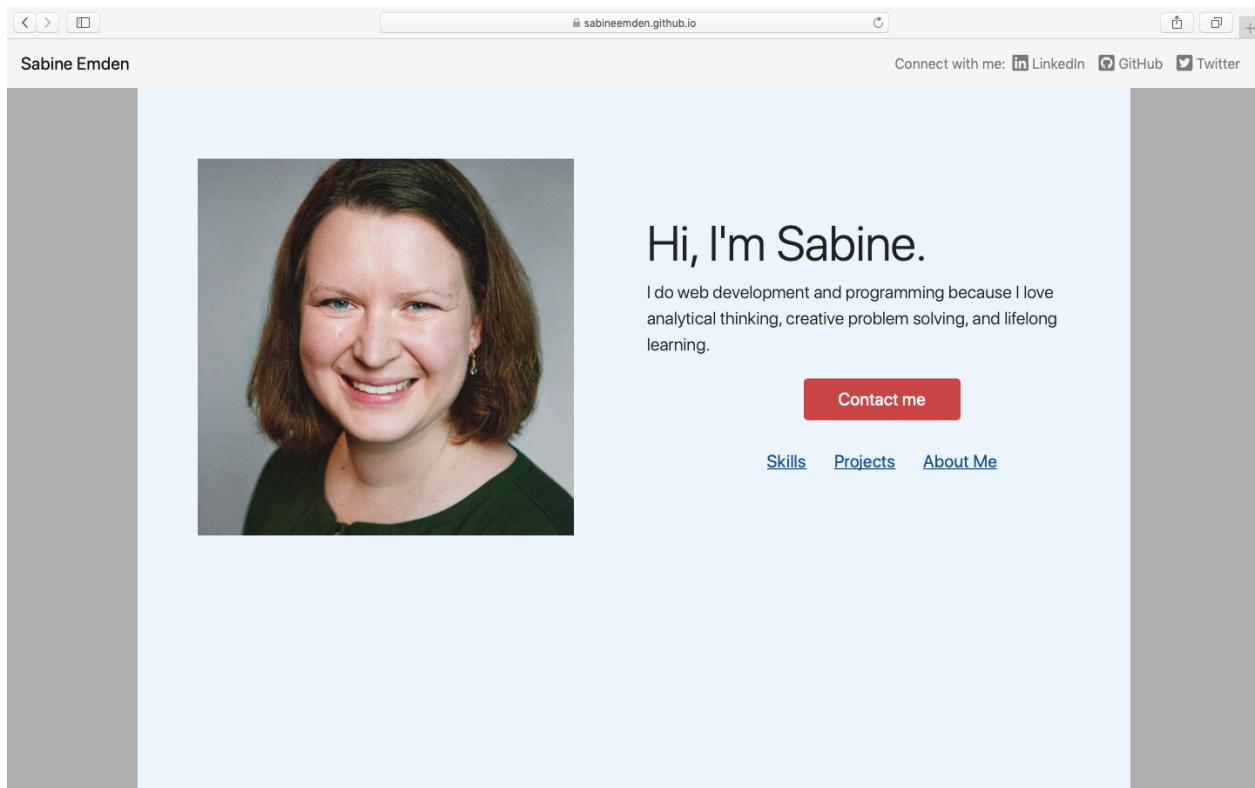
Would I be a good fit for your project or team? Let's talk:

[Contact me](#)



Medium and Larger Devices

For medium and larger viewport widths, three sections have a two-column layout, and one section has three columns.



A screenshot of the 'Skills' section of the portfolio website. The page has a similar layout with a central white content area flanked by grey sidebars. The title 'Skills' is at the top. Below it are three columns: 'Web Development' (HTML, CSS, JavaScript, Responsive web design, Bootstrap, Web accessibility), 'Programming' (Command line, Git, GitHub), and 'Non-Technical' (Continuous learning, Problem solving, Project management, Intercultural communication, Bilingual in English and German). At the bottom right of the content area is a blue link 'back to top ^'.

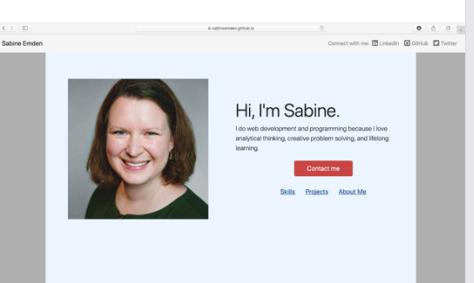
A screenshot of the 'Projects' section of the portfolio website. It features two projects: 'Portfolio Website' and 'Learning Tracker'. The 'Portfolio Website' project is described as a responsive website designed and implemented for a minimum of two platforms while adhering to validation and accessibility standards. It includes a screenshot of the website with a portrait of the author and a 'Contact me' button. The 'Learning Tracker' project is described as tracking technical skills, projects, courses, and resources for learning web development and programming. It includes a screenshot of a GitHub repository named 'Learning-Tracker' which contains files like 'README.md', 'learning.log', and 'learning.html'. The GitHub interface shows commit history and repository details.

Sabine Emden

Projects

Portfolio Website

Designed and implemented a responsive website for a minimum of two platforms while adhering to validation and accessibility standards.



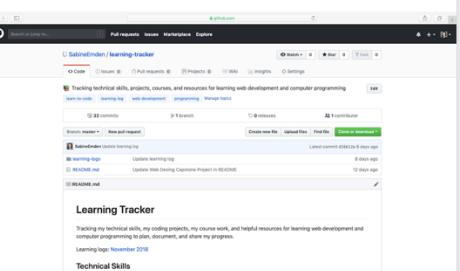
Skills used:
HTML, CSS, Bootstrap 4, responsive web design, web accessibility

Course project:
Web Design for Everybody Capstone

[GitHub repository](#)

Learning Tracker

Tracking technical skills, projects, courses, and resources for learning web development and programming.



Skills used:
Git, GitHub, writing documentation

Independent project

[GitHub repository](#)

Sabine Emden

Connect with me: [LinkedIn](#) [GitHub](#) [Twitter](#)

[back to top ^](#)

More About Me

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Spieser, 1,651 m (5,417 feet), Bavaria, Germany

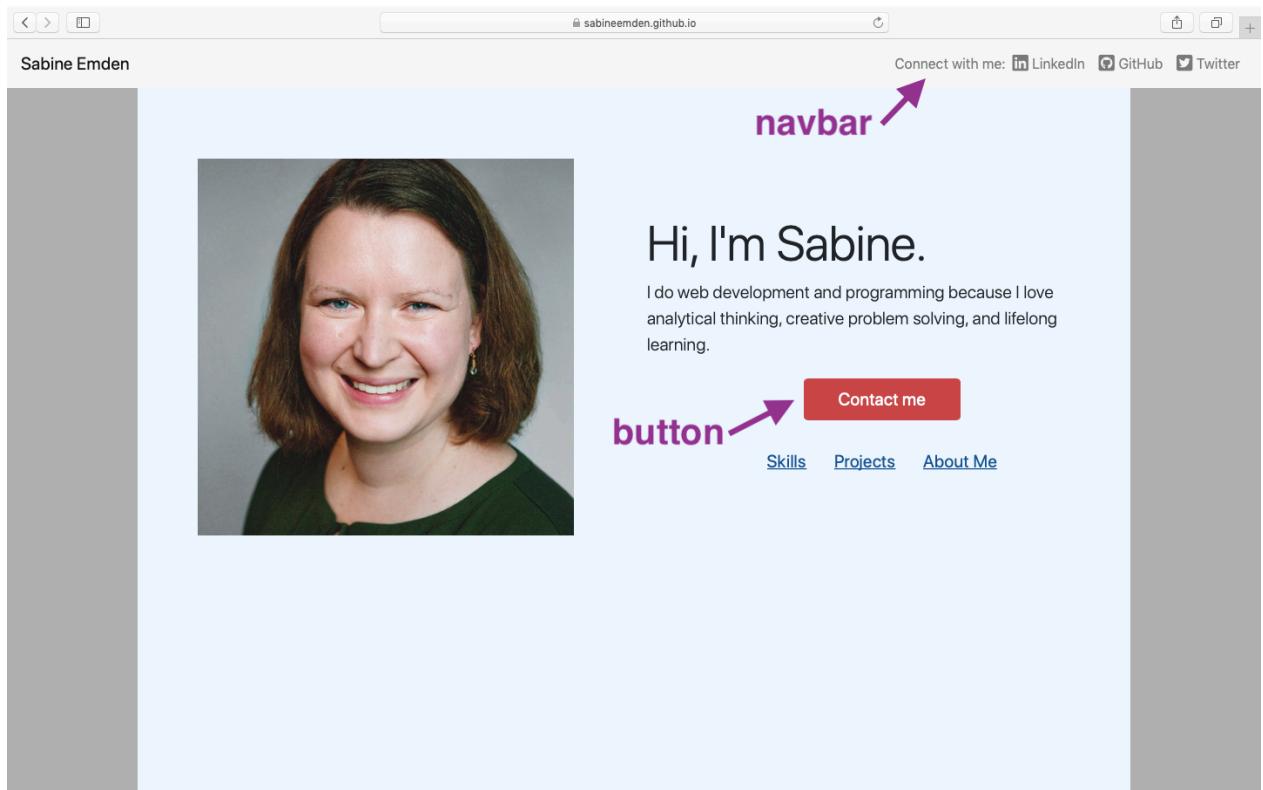
[back to top ^](#)

Is the Site Well-styled?

The layout is easy to follow, and the design uses a variety of colors and fonts.

Bootstrap

The site heavily relies on Bootstrap for layout and styling. It uses the grid system for a responsive layout and several Bootstrap components, including a fixed navbar with social media links at the top of the page, a button with a mail-to link in the `#intro` and `#about` sections, cards in the `#projects` section, and a carousel with four images in the `#about` section.

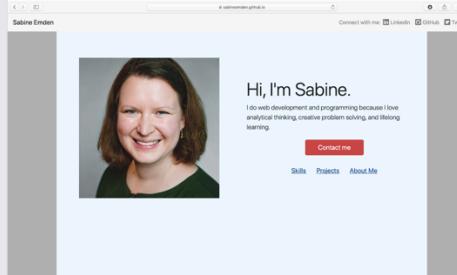


Sabine Emden

Projects

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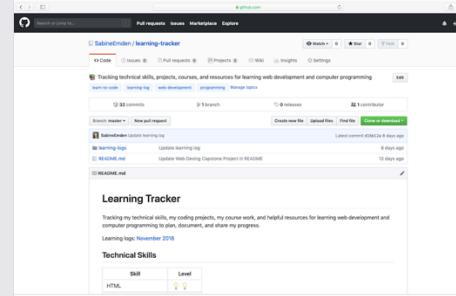
Skills used:
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Course project:
Web Design for Everybody Capstone

[GitHub repository](#)

Learning Tracker

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Skills used:
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Independent project

[GitHub repository](#)

Sabine Emden

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Would I be a good fit for your project or team? Let's talk:

[Contact me](#)

button

carousel



Spieser, 1,651 m (5,417 feet), Bavaria, Germany

[back to top ^](#)

Designed and developed by Sabine Emden, 2018.

Custom CSS

Custom CSS supplements and enhances the Bootstrap styling.

Body, Sections, and Navbar

For the body, the sections and the top and bottom navbars, I changed the background colors, added padding to the top of the sections to avoid content being covered by the top navbar, set the minimum height for the `#intro` section to 100% viewport height, and added additional margin and padding to create a more balanced look.

```
body {  
    background-color: #b3b3b3; /*dark grey*/  
}  
  
section {  
    margin-top: 20px;  
    padding-top: 63px; /*leave room for top navbar*/  
}  
  
.navbar {  
    background-color: #f6f7f7; /*light grey*/  
}  
  
#intro {  
    background-color: #edf8ff; /*light blue*/  
    min-height: 100vh;  
    padding-bottom: 30px;  
}  
  
#skills, #about {  
    background-color: #ffffff; /*white*/  
}
```

```
#projects {  
    background-color: #e9eaeb; /*medium grey*/  
}
```

Headings and Links

I reduced the font size for the `h3` heading to 24 pixels for a more balanced look. To improve accessibility, I set the color for links that are not in the navbar to a darker blue for better color contrast to the background colors, and underlined the links to avoid conveying function by color alone. I also increased the font size for the navigational links in the `#intro` section.

```
h3 {  
    font-size: 24px;  
}  
  
main a {  
    color: #185394; /*blue*/  
    text-decoration: underline;  
}  
  
main a:hover {  
    color: #214872; /*darker blue*/  
    text-decoration: underline !important;  
}  
  
#intro a {  
    font-size: 20px;  
}
```

Image and Buttons

I added padding to the image in the `#intro` section and styled the buttons in the `#intro` and `#about` sections.

```
#intro img {  
    padding: 10%;  
}  
  
.btn {  
    color: #ffffff; /*white*/  
    background-color: #c94747; /*red*/  
    border-color: #c94747; /*red*/  
    text-decoration: none;  
    display: block;  
    width: 180px;  
}  
  
.btn:hover {  
    color: #ffffff; /*white*/  
    background-color: #b24444; /*darker red*/  
    border-color: #b24444; /*darker red*/  
}
```

Carousel

For the carousel in the `#about` section, I changed the color of the indicators and the background color for the captions to increase color contrast and improve accessibility.

```
.carousel-indicators li {  
    background-color: rgba(0, 0, 0, 0.5); /*black, 50% opacity*/  
}  
  
.carousel-indicators .active {  
    background-color: rgba(0, 0, 0, 0.9); /*black, 90% opacity*/  
}
```

```
.carousel-caption {  
    background-color: rgba(255, 255, 255, 0.7); /*white, 70%  
opacity*/  
    color: #000000; /*black*/  
}
```

Enhancements!!

The site contains four elements that go beyond what was covered in the previous courses in the Web Design for Everybody Specialization.

Fixed Top Navbar

The site has a responsive navbar with social media links that is fixed to the top of the viewport. For extra small viewport widths, the links are collapsed into a hamburger menu. For small viewport widths, only the icons for the social media links are visible. For medium and larger viewport widths, the links have icons and text.

```
<nav class="navbar fixed-top navbar-expand-sm navbar-light">  
    <a class="navbar-brand" href="http://sabineemden.com"  
target="_blank">Sabine Emden</a>  
    <button class="navbar-toggler" type="button" data-  
toggle="collapse" data-target="#navbarContact" aria-  
controls="navbarContact" aria-expanded="false" aria-label="Toggle  
navigation">  
        <span class="navbar-toggler-icon"></span>  
    </button>  
    <div class="collapse navbar-collapse justify-content-end"  
id="navbarContact">  
        <span class="navbar-text">Connect with me: </span>
```

```

<ul class="navbar-nav">
    <li class="nav-item">
        <a class="nav-link" href="https://www.linkedin.com/in/sabineemden/" target="_blank">
            <span class="fab fa-linkedin fa-lg" aria-hidden="true"></span>
            <span class="d-sm-none d-md-inline"> LinkedIn</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="https://github.com/SabineEmden" target="_blank">
            <span class="fab fa-github-square fa-lg" aria-hidden="true"></span>
            <span class="d-sm-none d-md-inline"> GitHub</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="https://twitter.com/SabineEmden" target="_blank">
            <span class="fab fa-twitter-square fa-lg" aria-hidden="true"></span>
            <span class="d-sm-none d-md-inline"> Twitter</span>
        </a>
    </li>
</ul>
</div>
</nav>

```

Social Media and Navigation Icons

I used [Font Awesome](#) to add brand icons to the social media links in the top navbar, and to add icons to the links “back to top” at the end of the `#skills`, `#projects`, and `#about` sections.

```
<div class="nav justify-content-end">
    <a class="nav-link" href="#intro">back to top <span class="fas
fa-chevron-up" aria-hidden="true"></span></a>
</div>
```

Image Carousel

The `#about` section contains a carousel with four photos. The carousel has controls to switch to the previous or next image, indicators that show the active image and the total number of images, and captions.

```
<div id="carousel" class="carousel slide" data-interval="false">
    <ol class="carousel-indicators">
        <li data-target="#carousel" data-slide-to="0"
class="active"></li>
        <li data-target="#carousel" data-slide-to="1"></li>
        <li data-target="#carousel" data-slide-to="2"></li>
        <li data-target="#carousel" data-slide-to="3"></li>
    </ol>
    <div class="carousel-inner">
        <div class="carousel-item active">
            
            <div class="carousel-caption d-none d-md-block">
                <p><span lang="de">Spieser</span>, 1,651 m (5,417
feet), Bavaria, Germany</p>
            </div>
        </div>
    </div>
```

```

<div class="carousel-item">
    
    <div class="carousel-caption d-none d-md-block">
        <p><span lang="de">Reuter Wanne</span>, 1,541 m
(5,056 feet), Bavaria, Germany</p>
    </div>
</div>
<div class="carousel-item">
    
    <div class="carousel-caption d-none d-md-block">
        <p>Hanging Rock, 600 m (1,968 feet), North Carolina,
United States</p>
    </div>
</div>
<div class="carousel-item">
    
    <div class="carousel-caption d-none d-md-block">
        <p>Stone Mountain, 703 m (2306 feet), North
Carolina, United States</p>
    </div>
</div>
</div>
<a class="carousel-control-prev" href="#carousel" role="button"
data-slide="prev">
    <span class="carousel-control-prev-icon" aria-
hidden="true"></span>
    <span class="sr-only">Previous</span>
</a>
<a class="carousel-control-next" href="#carousel" role="button"
data-slide="next">
    <span class="carousel-control-next-icon" aria-
hidden="true"></span>
    <span class="sr-only">Next</span>
</a>
</div> <!-- End carousel -->

```

Web Accessibility

I considered accessibility throughout the project. In addition to semantic markup, alternative text for all images, good color contrast, underlined links, and the language attribute `lang="en"` in the `<html>` tag, I added `lang="de"` to two German words in the carousel captions.

```
<p><span lang="de">Spieser</span>, 1,651 m (5,417 feet), Bavaria,  
Germany</p>
```

```
<p><span lang="de">Reuter Wanne</span>, 1,541 m (5,056 feet),  
Bavaria, Germany</p>
```

The markup for the navbar toggle and the carousel use WAI-ARIA (Web Accessibility Initiative - Accessible Rich Internet Applications). The ARIA attributes were part of the code snippets I copied from the Bootstrap 4 documentation.