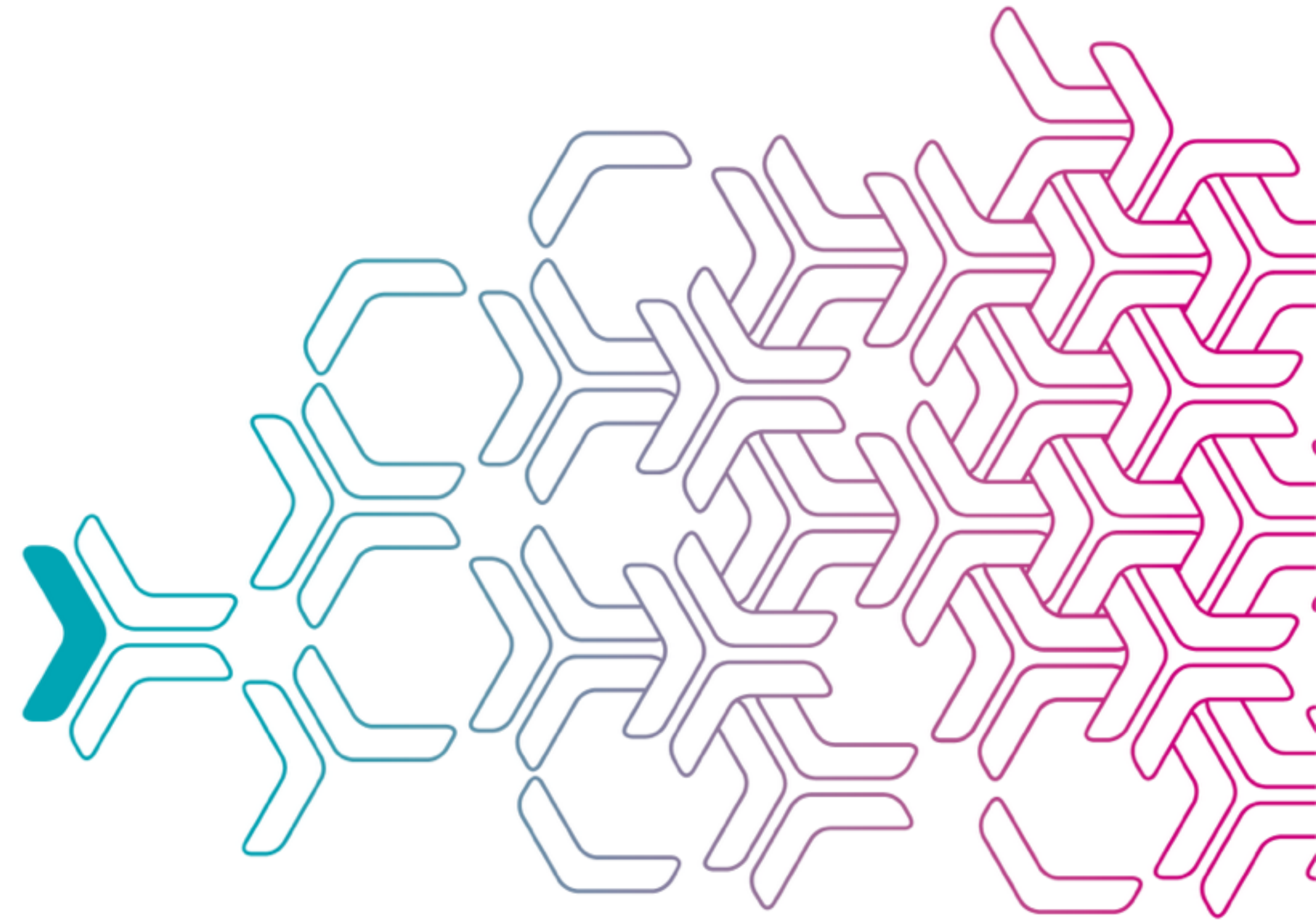


Guided By Voices: Screenreader Accessibility

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Demo

Making things better

Techniques

- Setting the document language
- Using semantic markup
- Implementing ARIA landmarks
- Curating the focus order
- Including bypass blocks
- Writing descriptive link and header text

Set the document language

```
<html lang="en">
```

Semantic markup

```
<header></header>
<nav></nav>
<main>
  <section>
    <article>
      <h1></h1>
      <button></button>
    </article>
  </section>
</main>
<footer></footer>
```

ARIA Landmarks

```
<header role="banner"></header>
<nav role="navigation">
  <form role="search"></form>
</nav>
<main role="main">
  <section>
    <article>
      <h1></h1>
      <a role="button"></a>
    </article>
  </section>
</main>
<footer role="contentinfo"></footer>
```

Add a “bypass block”

```
<a class="sr-only sr-only-focusable" href="#maincontent" tabindex="1">Skip to main content</a>
```

```
.sr-only {  
  position: absolute;  
  clip: rect(1px, 1px, 1px, 1px);  
  padding: 0;  
  border: 0;  
  height: 1px;  
  width: 1px;  
  overflow: hidden;  
}  
.sr-only-focusable:active, .sr-only-focusable:focus {  
  position: absolute;  
  width: auto;  
  height: auto;  
  margin: 0;  
  overflow: visible;  
  clip: auto;  
}
```


Focus order

```
<h2 class="mdl-card__title-text"  
  lang="is"  
  tabindex="0">Hello! </h2>
```

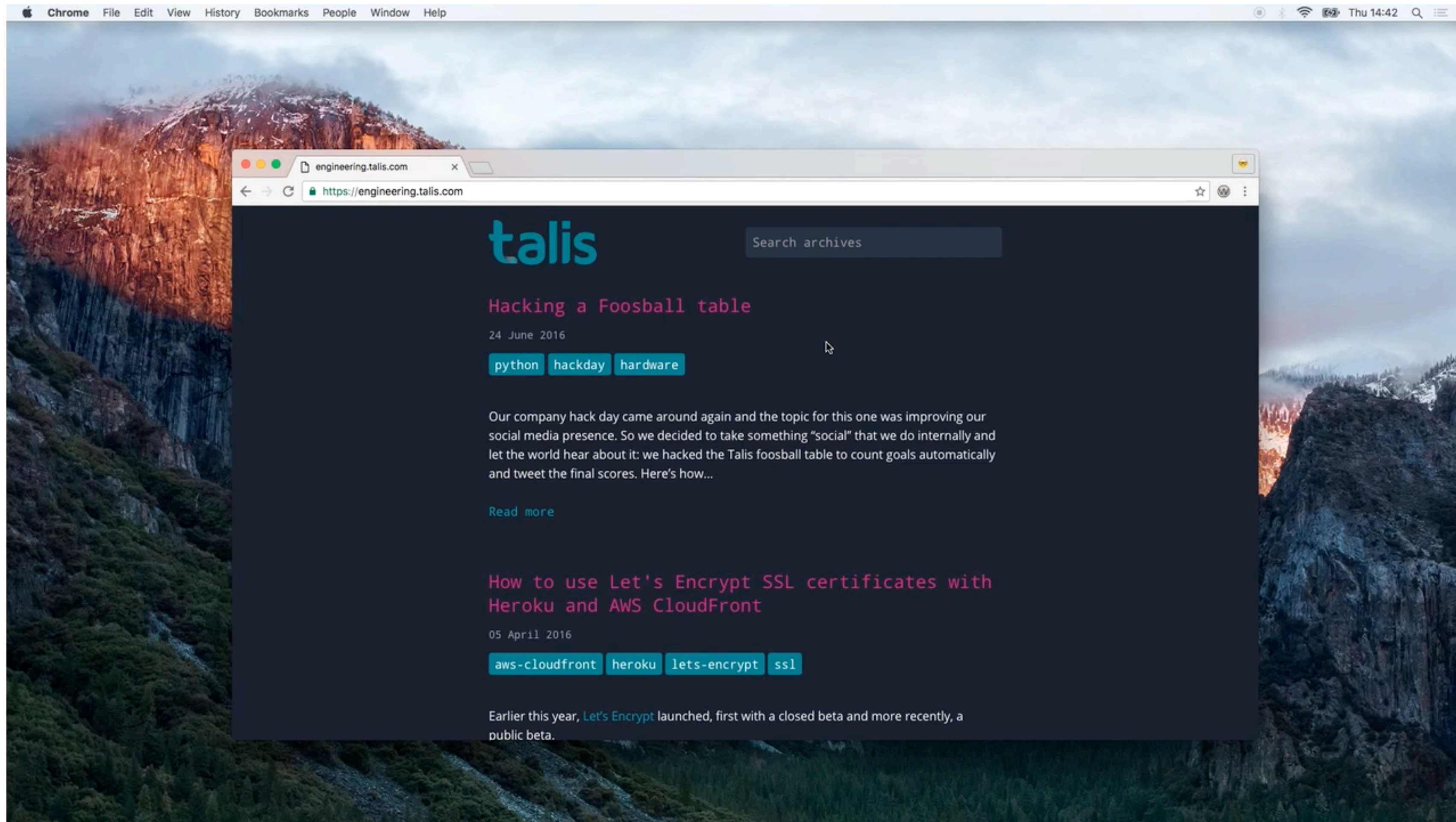
Write descriptive link text

```
<!-- Hide text with CSS -->  
<a class="mdl-button mdl-button--colored mdl-js-button mdl-js-ripple-effect mdl-button--accent" href="/italy">More <span class="sr-only">from my Italian adventure</span></a>  
  
<!-- With aria-label -->  
<h1 id="italian" lang="it">Ciao da Italia</h1>  
<a class="mdl-button mdl-button--colored mdl-js-button mdl-js-ripple-effect mdl-button--accent" href="/italy" aria-label="italian">More</a>
```

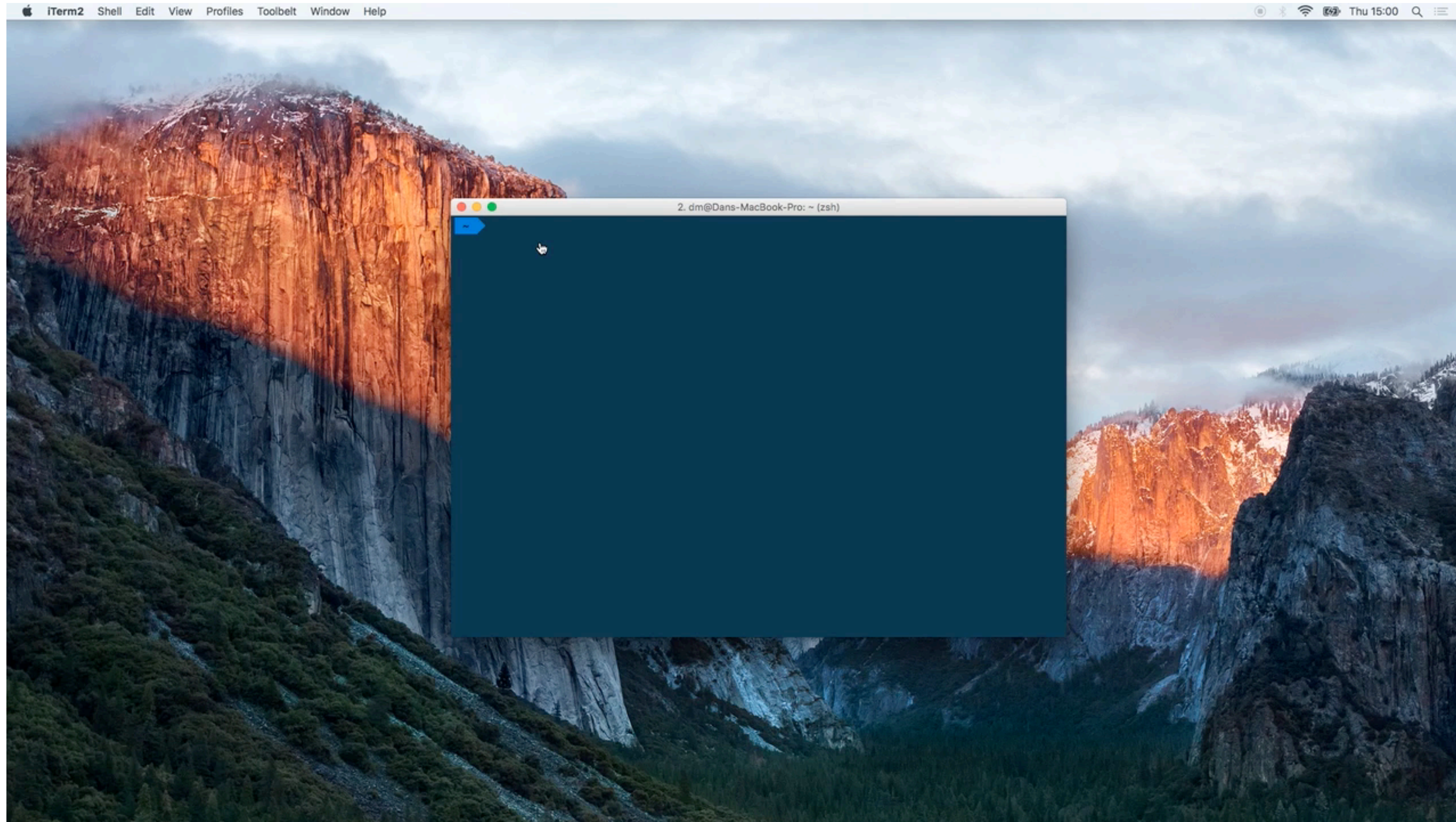
Let's put it all together...

Tooling

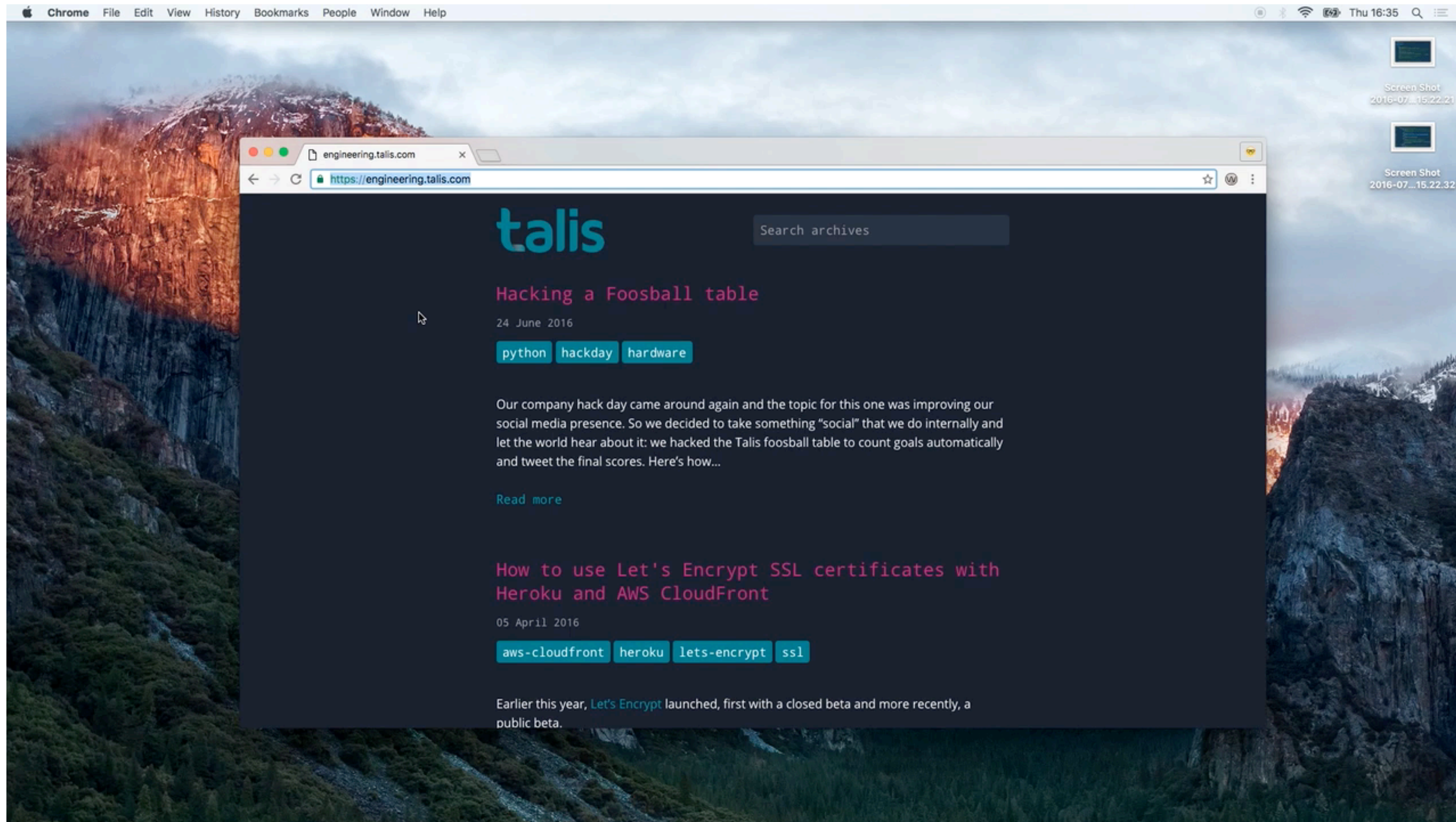
Screenreader



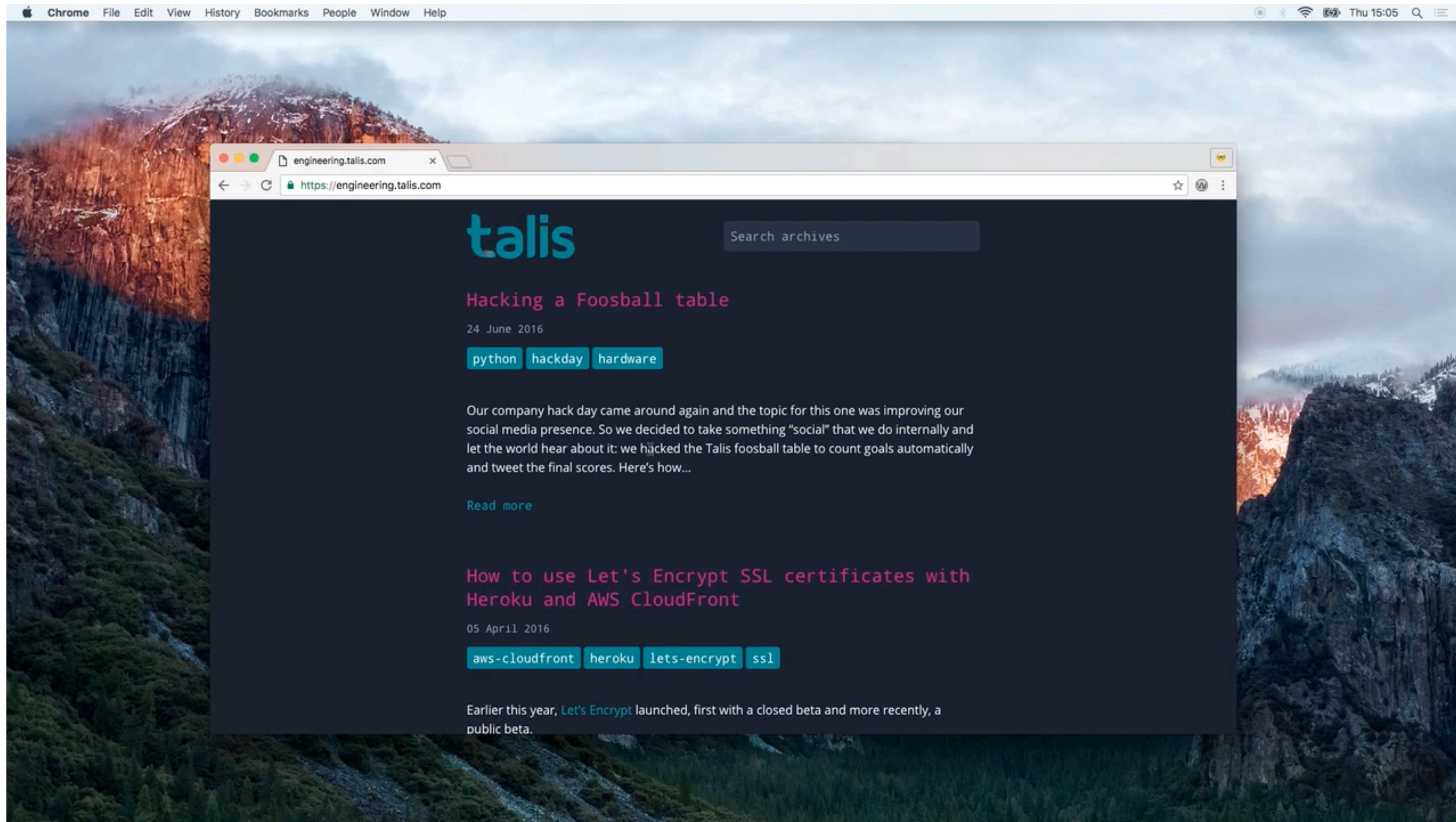
A11y



Chrome Accessibility Dev Tools

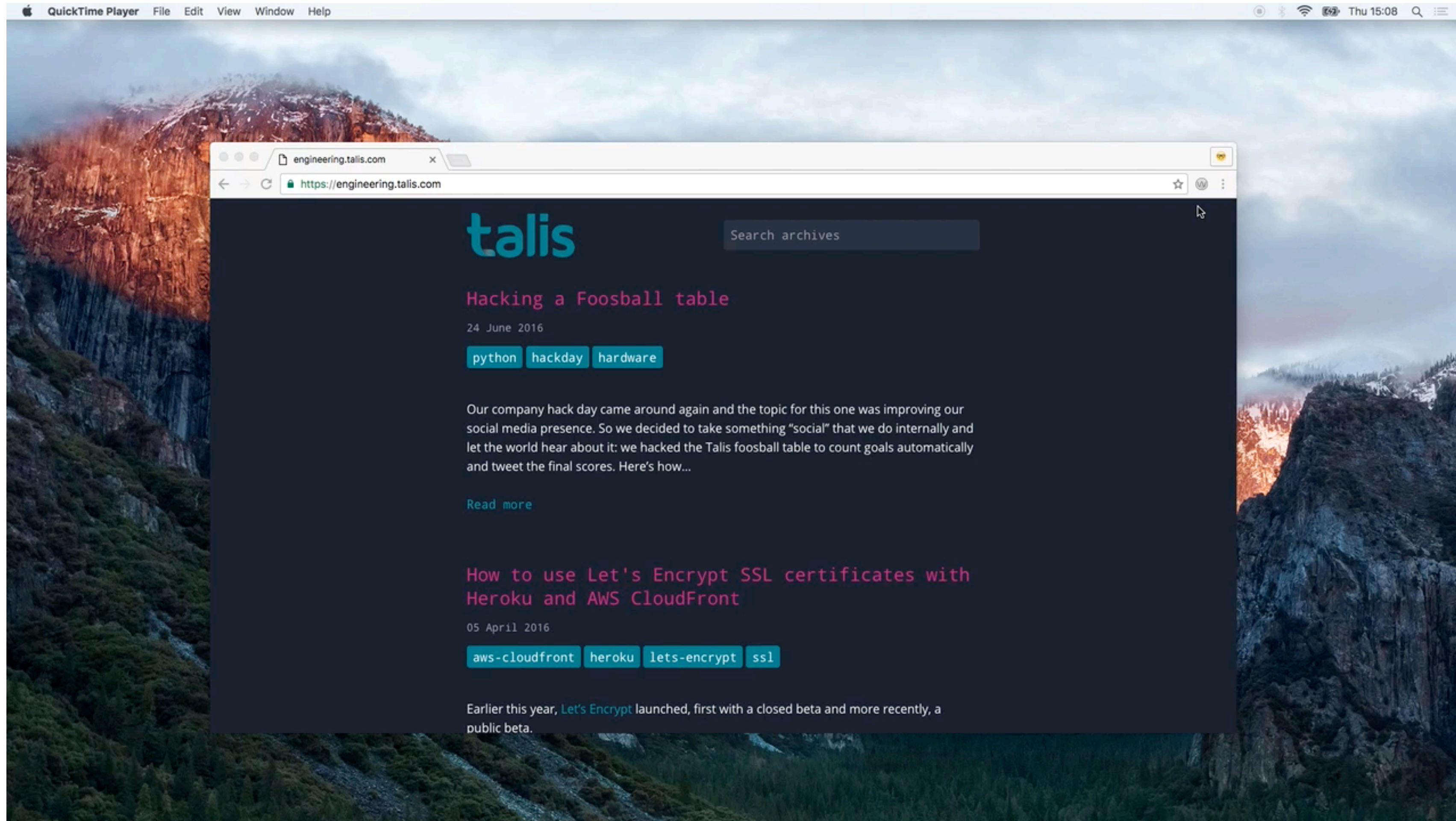


aXe



talis

WAVE



Summary

