



# Tales of a Keyboard-Only User

Lorna Mitchell, Nexmo

# About Me (and my keyboard)



*Once Upon A Time*



# Spatial Navigation

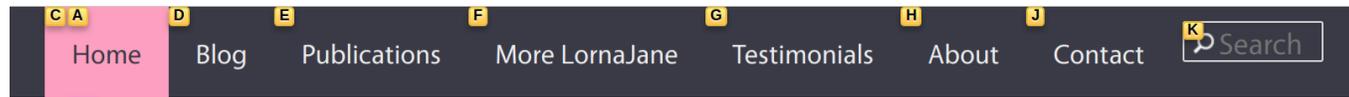
Opera had keyboard spatial navigation (past tense)



A new W3C spatial navigation standard is in progress  
<https://wicg.github.io/spatial-navigation/demo/>

# Vimium

- <https://vimium.github.io/>
- "The Hacker's Browser"
- Plugin for Chrome and Firefox
- Drive your browser from your keyboard



Welcome! I'm Lorna: engineer, author and speaker. I'm a Developer Evangelist and I love technology.

# Web Forms: The Good

It's absolutely possible to do it well!

GDS are an excellent example and they publish their guidelines  
<https://govuk-elements.herokuapp.com/form-elements/>

EXAMPLE

National Insurance number  
It's on your National Insurance card, benefit letter, payslip or P60.  
For example, 'QQ 12 34 56 C'.

```
<div class="form-group">  
  <label class="form-label" for="ni-number">  
    National Insurance number  
  <span class="form-hint">  
    It's on your National Insurance card, benefit letter, payslip or P60.  
  <br>  
  For example, 'QQ 12 34 56 C'.  
</div>
```

# Web Forms: The Bad

- Sliders, date pickers, anything not-standard
- "Helper" keyboard shortcuts, e.g. TypeForm

1 → Which event are you interested in? \*

Choose as many as you like

A APIdays Singapore, April 24 & 25 (deadline to submit March 31, 2019)

B APIdays Zurich, May 21 & 22 (deadline to submit April 30, 2019)

C APIdays Helsinki, June 4 & 5 (deadline to submit May 3rd, 2019)

D APIdays Amsterdam, June 2019 (deadline to submit May 10, 2019)

E APIdays San Francisco, July 2019 (deadline to submit June 30, 2019)



*As the product and company continues to mature, I am sure we will get to tackling accessibility as soon as we can.*

~ TypeForm Support

# Dropdowns

The "richer" the dropdown, the harder it is to use!

- Beware `onChange()`, try `onBlur()` instead
- Start with a search box where you can type and then submit
  - then enhance with auto suggestion

# What Can We Do?



**KEEP  
CALM  
AND  
EMBRACE  
STANDARDS**

# Web Standards

HTML5 is changing the world. <https://html5.org/>

WCAG Web Content Accessibility Guidelines -  
<https://www.w3.org/WAI/standards-guidelines/wcag/>

# Lorna's Keyboard Challenge

Stick a post-it over your trackpad while you drink your coffee at your desk. See what you can still get done.

# Resources

- <https://html5.org/>
- <https://vimium.github.io/>
- <https://govuk-elements.herokuapp.com/form-elements/>
- <https://wicg.github.io/spatial-navigation/demo/>
- <https://www.w3.org/WAI/standards-guidelines/wcag/>
- <https://github.com/wavexx/screenkey>
- <https://lornajane.net>