

**Welcome  
to  
Web Components Silicon  
Valley**

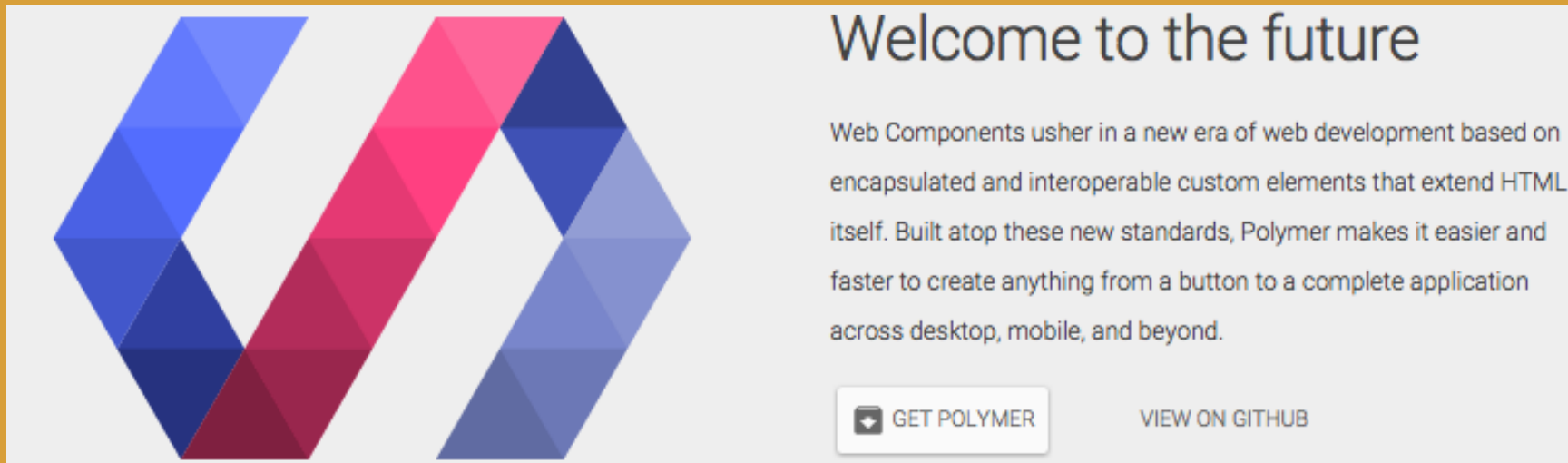
# Agenda...

- Speaker introductions
  - Mike North
    - Mike North is a startup advisor and UI engineering lead at Yahoo
    - Pure W3C web components. Mike will take us through the evolution of web components, and then use Chrome and Polymer.js to illustrate what upcoming web standards will empower developers to do with vanilla JavaScript.
  - Diwakar Cherukumilli
    - Freelancer working for a medical devices startup company
    - Creating your first polymer app using Yeoman generator-polymer
- Suggestions for upcoming events...

# Polymer App Generator

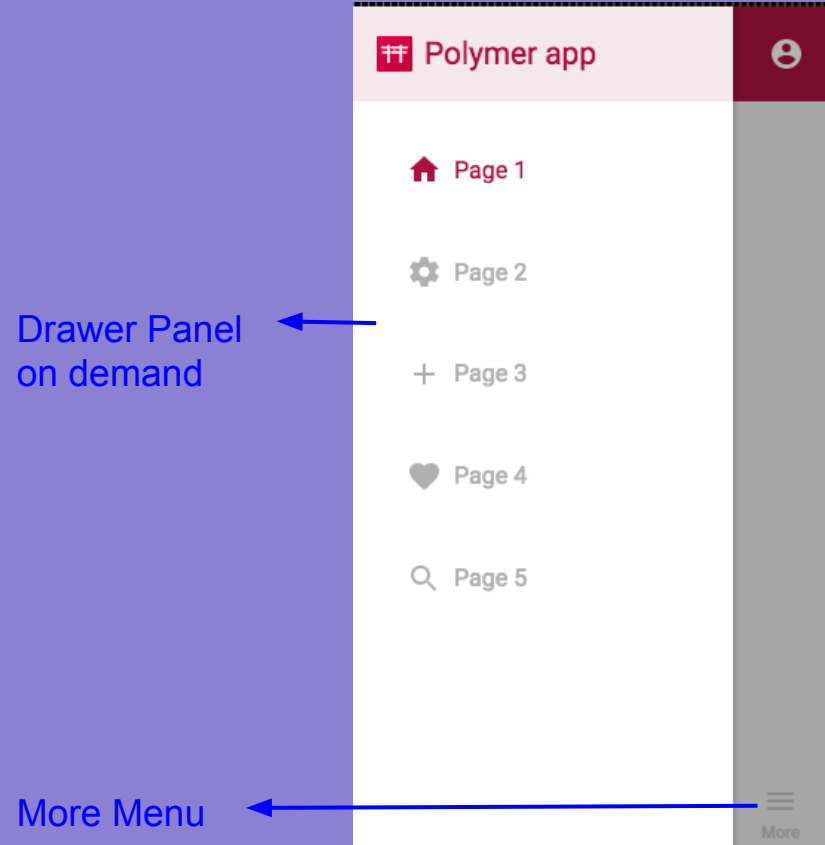
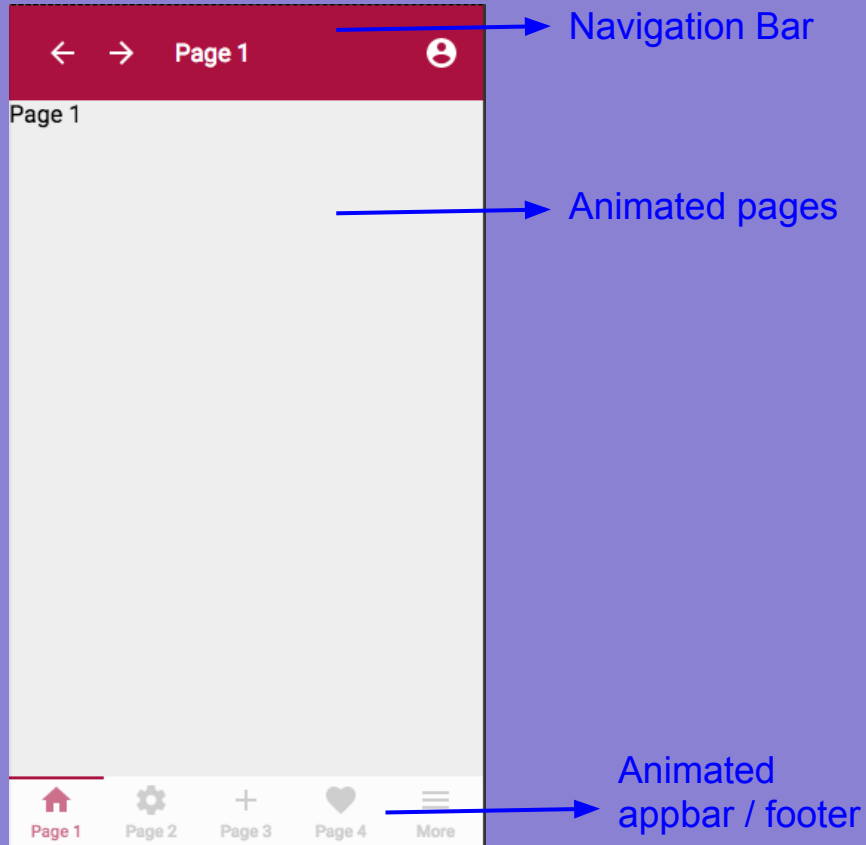
by Diwakar Cherukumilli

# About Polymer...

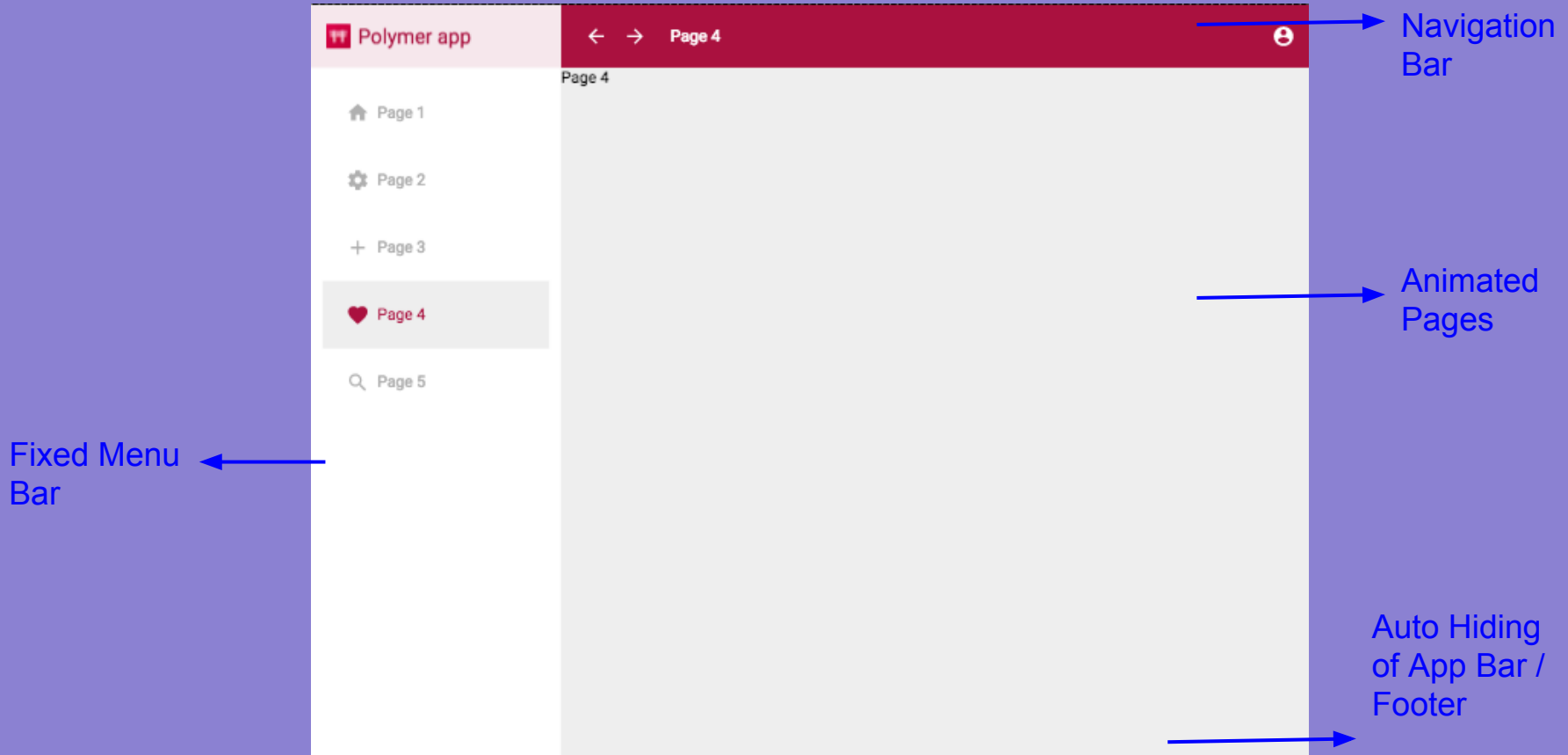


<https://www.polymer-project.org>

# Responsive App for Smartphones



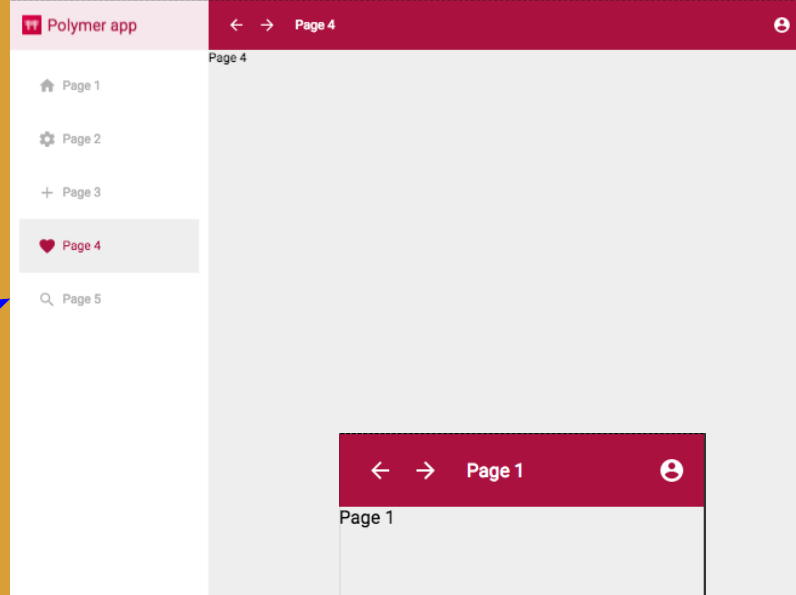
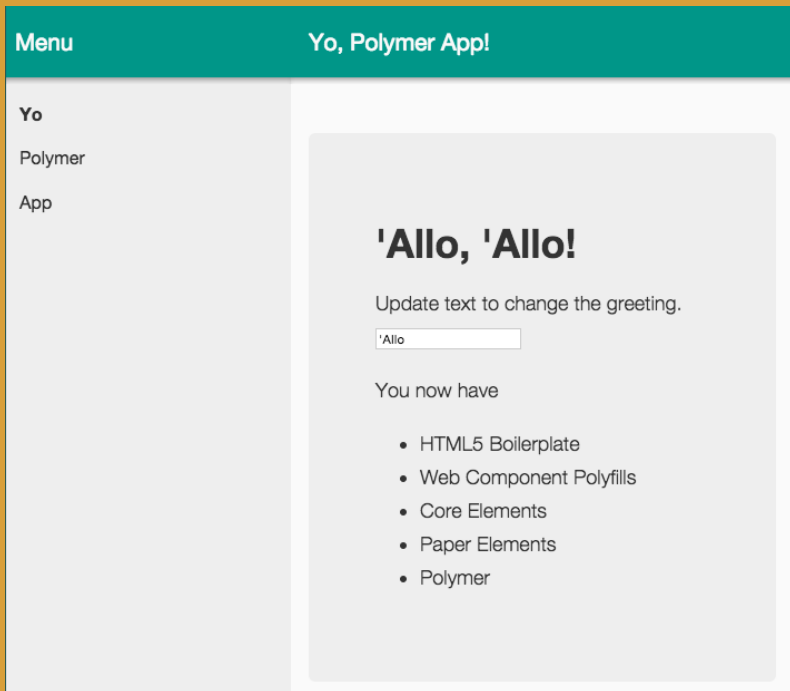
# Responsive App for tablets and PC's



# Polymer Seed App...

- Based on Yeoman generator-angular-fullstack
  - <https://github.com/yeoman/generator-polymer>
- Single Page App
- Polymer ^0.5.6
- Build system
  - grunt

# Polymer Seed App...





# Polymer Seed App...

- `sudo npm install -g generator-polymer`
- `mkdir -p my-project && cd $_`
- `sudo yo polymer`
- `grunt serve`

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# Clone sc-polymer-app from Github

Clone the sc-polymer-app for reference purposes

- `cd projects`
- `git clone https://github.com/cherukumilli/sc-polymer-app.git`

The below steps are not needed. Execute them only if you would like to run the code cloned from GitHub.

- `bower install`
- `sudo npm install`
- `grunt serve`

# Better mobile experience...

- Splash screen
- A better scaffold
  - core-scaffold instead of core-drawer-panel
- A better navigation bar with routing
  - flat-iron-director as the router
- Animated pages
  - core-animated-pages for animated transitions
- App bar on Smartphones
  - paper-tabs for app bar / footer

# Create elements using Yo...

- `sudo yo polymer:element sc-root-element`
- `sudo yo polymer:element sc-splash`
- `sudo yo polymer:element sc-scaffold`
  - `sudo yo polymer:element sc-menu`
    - `sudo yo polymer:element sc-menu-item`
  - `sudo yo polymer:element sc-header-left`
  - `sudo yo polymer:element sc-header-middle`
  - `sudo yo polymer:element sc-header-right`
  - `sudo yo polymer:element sc-maincontent`
    - `sudo yo polymer:element sc-page1`
    - `sudo yo polymer:element sc-page2`
    - `sudo yo polymer:element sc-page3`
    - `sudo yo polymer:element sc-page4`
    - `sudo yo polymer:element sc-page5`
  - `sudo yo polymer:element sc-footer`
    - `sudo yo polymer:element sc-footer-tab`
- `sudo yo polymer:element sc-app-globals`

# Additional steps...

- Copy the following from sc-polymer-app
  - favicon.ico
  - apple-touch-icon.png
  - images/\*
  - elements.html
- `bower install PolymerLabs/flatiron-director --save`

**Questions?**