

# JOHN RICHTER

Designer, Developer, Data Visualizer  
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[www.vizearth.com](http://www.vizearth.com)

**Core Skills:** UI/UX design; Front-end engineering in Angular.js, Javascript, Typescript, D3.js.

**User Interface/User Experience Skills:** Prototyping, Iconography, SVG and pixel-based design, Responsive Design, Fonts & Typography, UI/UX theory, Usability Testing, A/B testing, Analytics, CSS Sprites

**Programming Languages, Specs, Markup:** Javascript, Typescript, CSS, HTML, SVG, SCSS, PHP, Java, SQL (PostGres, My), Python, Ruby, MongoDB, JSON, Mustache, Handlebars

**Front End Frameworks:** Angular.js, Backbone.js

**Interactive Data Visualization:** D3.js (incl maps, GeoJSON, TopoJSON)

**Design:** Photoshop, Illustrator

**Content Management Systems:** NationBuilder, Drupal, Ghost, Wordpress

**Mobile:** Android, Titanium

**Patterns:** Responsive Design, Web Services (REST), Object Oriented Programming

**Backend Infrastructure/CI:** Jenkins, Amazon Web Services, Firebase

**Toolchain:** Grunt, Node Package Manager, Bower, Git, TSD Package Manager

**Testing:** Karma, Mocha, Chai, JUnit

**Editor:** Emacs!, Sublime Text, Eclipse

**Film Editing:** Premiere, Final Cut Pro

**Videography:** Panasonic GH4

## EXPERIENCE

### Oportun

*User Interface Engineer, June 2016 – Present, Redwood City, CA (Remote)*

- Develop and maintain critical new payments infrastructure using Angular.js and REST services
- Led UI/UX redesign of various projects
- *Technologies Used: Javascript, Angular.js, Grunt, Git, Bower, Node, Photoshop, Illustrator.js, SCSS, SQL, Jira ...*

### Kavi Corporation

*User Experience Engineer, June 2014 – June 2016, Portland, OR*

- Within months, completely reskinned marquee customer-facing product resulting in increased sales
- Advocated and assisted transition from Backbone-based app to Typescript/Angular.js based app
- Led design and implementation of modern activity feed that boosted customer engagement
- Designed and developed D3.js based dashboard to make data more accessible/actionable
- *Technologies Used: Typescript, Javascript, Angular.js, Grunt, Git, Bower, TSD, Node, Photoshop, Illustrator, Backbone.js, PHP, Python, SCSS, Mustache, Smarty, SQL, Karma, Crucible, Jira ...*

### Our Climate, formerly Oregon Climate (contract and volunteer)

*Cofounder, Digital Director, former Board Member, February 2014 – January 2018, Portland, OR*

- *Work closely with National Geographic's Years of Living Dangerously show and Leonardo DiCaprio foundation on campaigns*
- *Design and develop branding materials, website, and most (info)graphics*
- *Design custom interactive data visualizations using D3.js*
- *Technologies Used: Javascript, D3.js, HTML, CSS, Photoshop, Illustrator, NationBuilder CMS*

## **Freelance Javascript, Drupal, Design Work**

*Contract Designer and Developer, July 2010 – May 2014*

- **Praxsys/Vitasio** - Designed the user interface of iPhone applications and website while in college
- **Red Sequoia** - Designed and developed several Drupal sites
- **Incendia Media** – Designed and developed Drupal sites, Titanium-based mobile app
- **Minnow Software** - Visualized allergy data using d3.js and leaflet
- ...And more!

## **Behind the Curtain by Hack Oregon (volunteer)**

*Front-end developer and data visualizer, June-November 2014, Portland, OR*

- Developed and data visualized public campaign finance data for candidates, PACs, and measures in Oregon
- *Technologies Used: AngularJS, Javascript, D3.js, HTML, SCSS*

## **Local Plate**

*Cofounder, developer, designer, November 2012-June 2013*

- Cofounded local food systems startup – meal kits for locally sourced foods
- Designed and co-developed platform
- Won 3<sup>rd</sup> place in Portland Startup Weekend competition

## **Frontline on PBS: Hedrick Smith Productions**

*Production Internship, June 2008 – August 2008, Washington, DC*

- Assisted in film shoots, logged tape information and descriptions, synced transcripts with video clips via Avid, conducted research, helped arranged set locations, and performed clerical tasks for Emmy-winning production company and Pulitzer-winning NY Times writer. Documentary called “Poisoned Waters,” available on PBS.Org. Name listed in credits.

## **TALKS & APPEARANCES**

- **PDX Creative Coders** – January 2015 – Presented Hack Oregon’s Behind the Curtain project
- **D3.js Meetup** – January 2015 – Presented Hack Oregon’s Behind the Curtain project
- **Portland Typescript Meetup** – June 2015 - “*Introduction to the Typescript Toolchain*”

## **EDUCATION**

*BA in liberal arts from WUSTL; software engineering CS background from UT-Austin*

**University of Texas at Austin**, 2010-2012, Computer Science GPA 3.5

**Washington University in St. Louis**, BA 2010

Major: Political Science Minor: Economics

Major GPA: 3.85 Overall GPA: 3.57

**Arkansas School for Math, Science, and the Arts**, 2006

ACT: 34 (Rea: 35; Math: 34; Sci: 33; Eng: 33) (99th Percentile)

SAT: 2270 (Math: 780; Cr Rea: 740; Wri: 750) (99th Percentile)

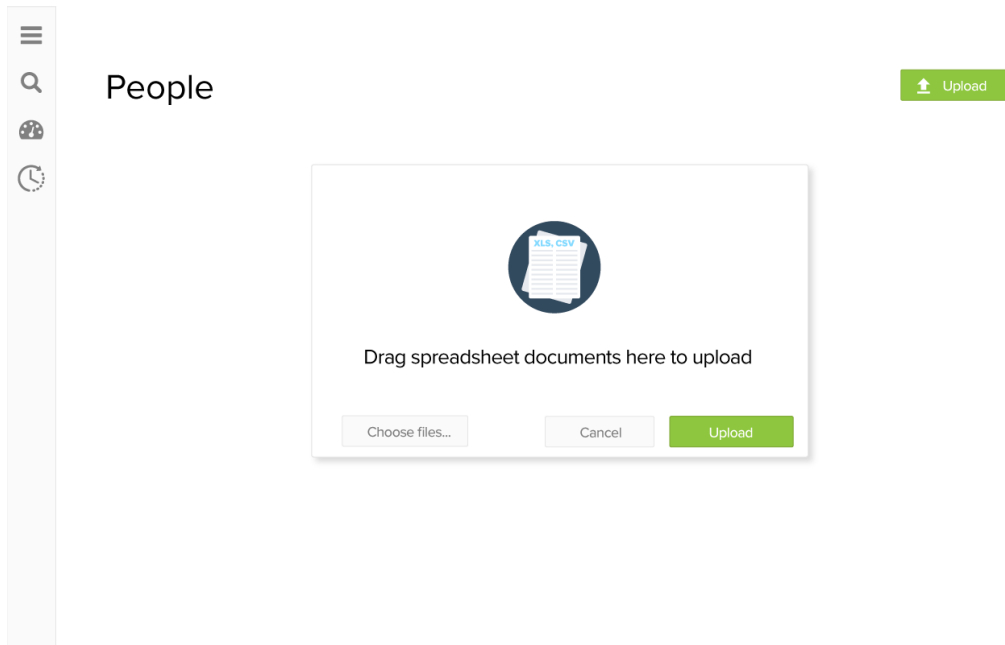
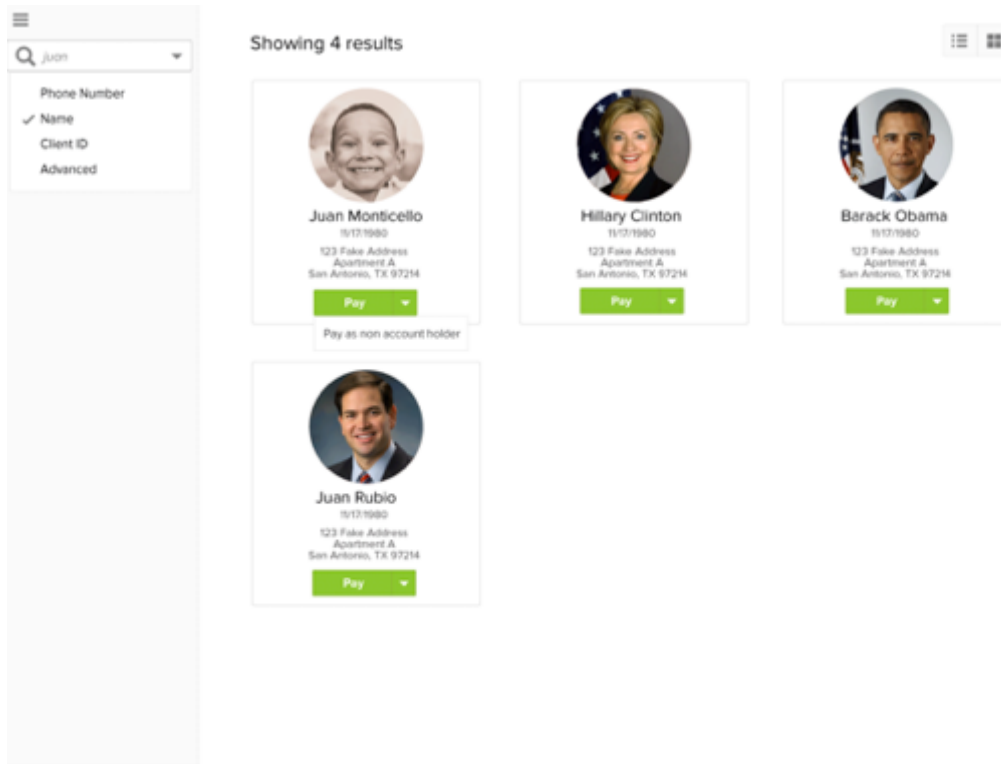
## **AWARDS AND HONORS**

**Hacker School at YCombinator**, Applied and attended a one-day conference in San Francisco featuring Mark Zuckerberg, Jack Dorsey, the founders of AirBNB, and many more.

**Greenberg Scholar (Wash U)**, \$29,500 per year (\$118k total), award based on merit and financial need  
**St. Joseph’s Scholarship (Wash U)**, \$1000, award based on merit

# PORTFOLIO

1. Preliminary Mockups for a User Search - *I wanted a super lightweight, elegant feel. My design tastes have changed to something weightier and bolder since then.*



2. Pro bono and contract climate change nonprofit UI/UX design from 2016-17

- (a) Our Climate Campus Toolkit – I designed a PDF campus toolkit for a nonprofit I cofounded. It was a fun way to explore textures, typography, and iconography. Overall, I like how the design language came together – grassroots, organic, vibrant.



(b) Our Climate Website- <http://ourclimate.us> - I designed Our Climate's website for a small fee. For how little time I had to spend on it, I'm happy with how it turned off. With more time, the design language would have been more consistent.



(c) Put A Price On It – (site no longer active) - I designed and developed a petition site over a weekend with Our Climate and National Geographic's Years of Living Dangerously television show. Had excellent conversion rates north of 50%.



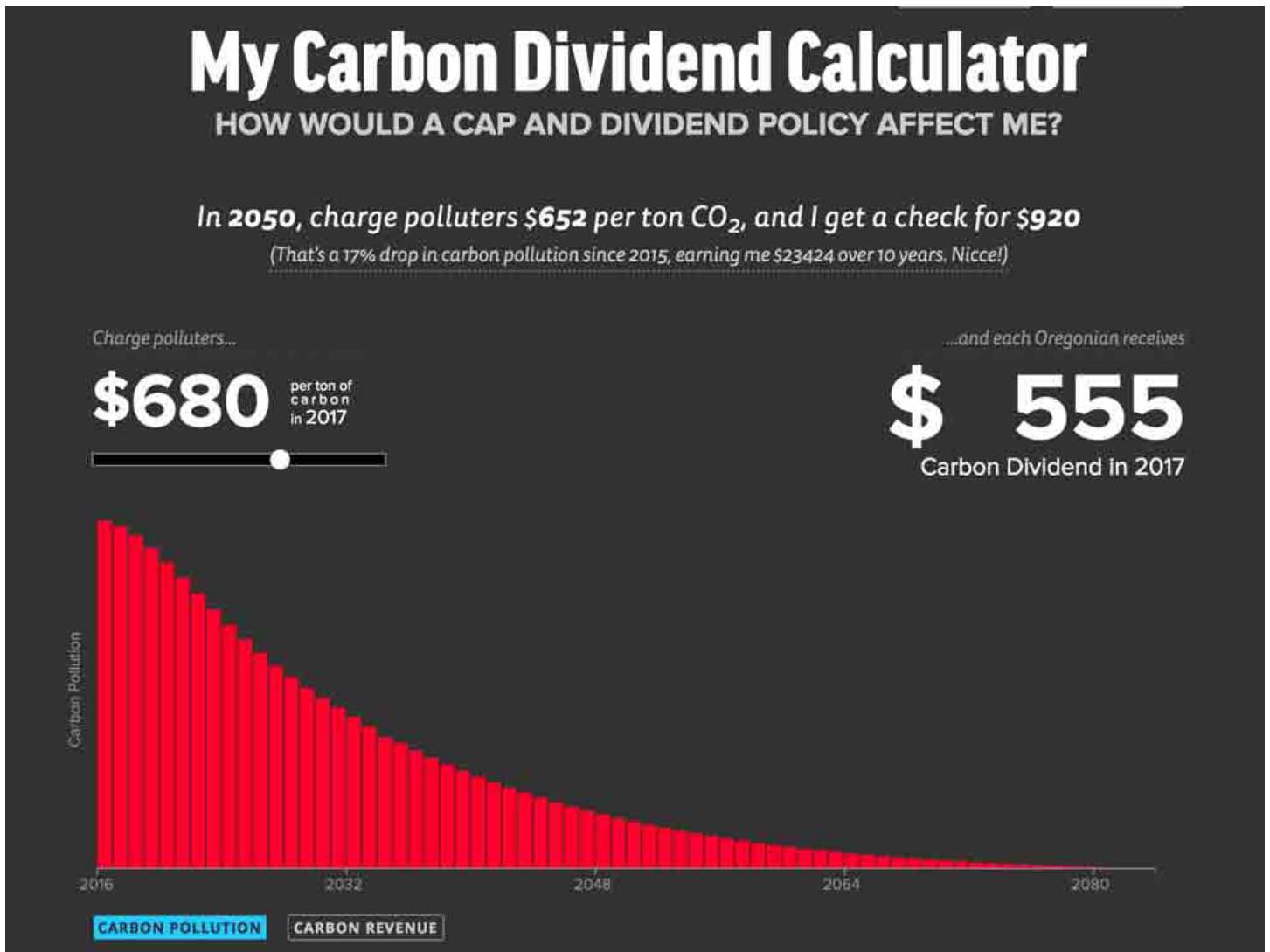
(d) Another petition site with an interactive map - <http://putapriceonit.us/>



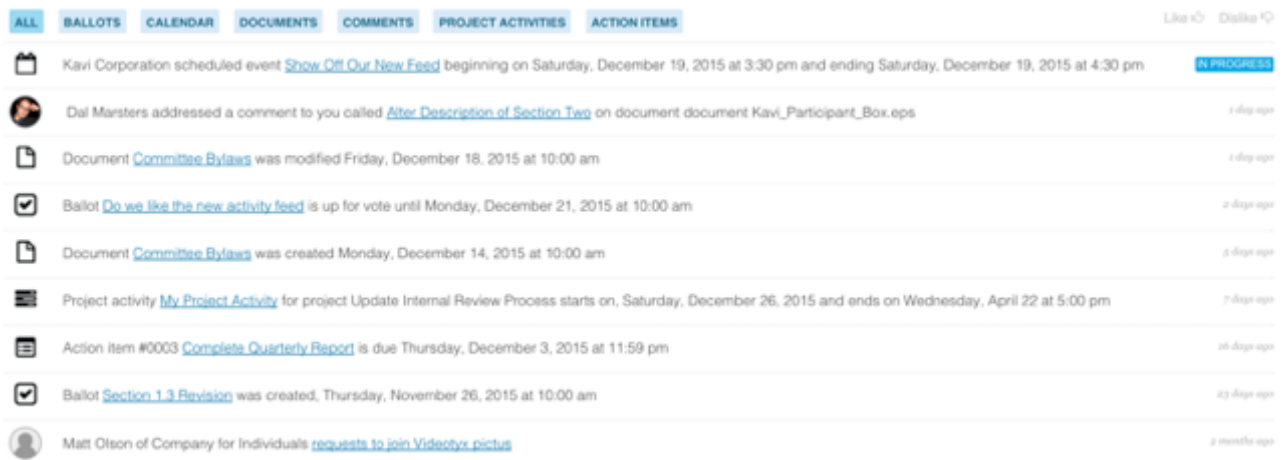
(e) Vote Climate Solution website contracted by Leonardo DiCaprio Foundation – [www.voteclimatesolution.us](http://www.voteclimatesolution.us) - I hand drew the banner and created this site in the course of 2 or 3 days. The site was linked as the main action for Leonardo DiCaprio's Before the Flood documentary on National Geographic Channel.



3. My Carbon Dividend Calculator - <http://johnrichter.io:6379/carbonfeeviz/v12/> - Calculate how much money you would get back from a revenue-neutral price on carbon.



4. Kavi Activity Feed – I designed this activity feed of the going-ons in Kavi Workspace. My design tastes have changed considerably since then.



5. Scott & White Health Plan – A Drupal based website I designed in college for contract



6. Scott White Health Plan iPhone app

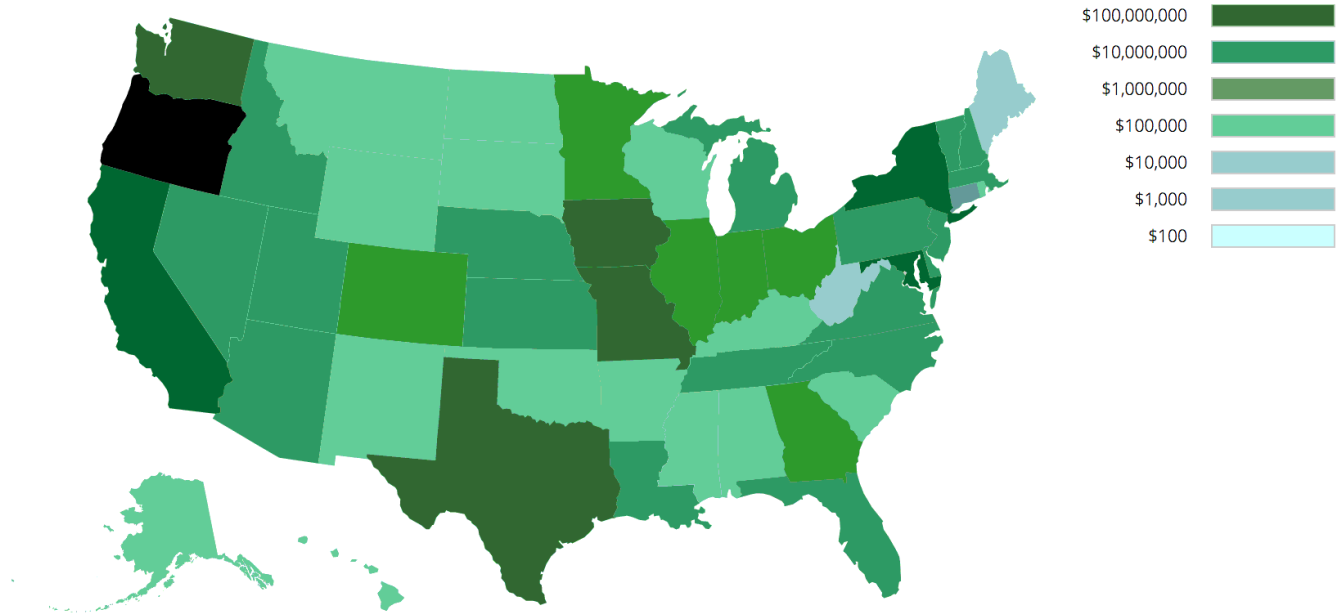




7. Hack Oregon “Behind the Curtain” - <http://archive.is/OniHm> - I visualized public campaign finance data in Oregon using D3 and Angular.js. NOTE: while I designed everything else in this portfolio, I did not design this project.

## Is the Money Local?

This election year, Oregon has received contributions from all 50 states.



8. Visualize Earth – Logo for my perpetually forthcoming data viz personal site



9. Logo for Oregon Climate (now Our Climate)

