Zac Arellano

zacarellano.com
github.com/zacarellano
linkedin.com/in/zarellano
+1.925.918.3516 • zacdarellano@gmail.com

EDUCATION

Bachelor of Science in Information, Science, and Technology   **December 2016**
University of Arizona
- Pi Kappa Phi Fraternity, Teaching Assistant

TECHNICAL

- **Languages:** HTML5, CSS3, SASS, JavaScript, ES6, Python, R, Bash/Zsh, SVG
- **Frameworks/Libraries:** React, React Router, Redux, Node.js, Express, Mocha, Chai, Assert, Moment
- **Technologies:** Git, AJAX, Fetch, Babel, Webpack, Gulp, Browserify, ESLint, PostCSS, SVGO, npm, Yarn, SSH, Nginx, Linux, Ubuntu, SSL, LetsEncrypt, DigitalOcean, Apache, Firebase
- **Programs:** Atom, iTerm, Chrome Canary, Chrome Dev Tools, Sketch, Illustrator
- **Practices:** Algorithms, Data Structures, Object-Oriented Programming (OOP), Frontend Engineering, Web Applications, Single-Page Applications (SPA), Responsive Web Design, Cross-Browser Compatibility, Search Engine Optimization (SEO), Data Visualization, Web Animations (60fps), Modularization (Functional/Presentational), Performance, Optimization

EXPERIENCE

Long Realty, *Web Developer*, *Tucson, Arizona*   **May 2013 – May 2016**
- Built and designed seven different websites for various regions in the Tucson area (i.e. Tucson, Oro Valley, Catalina Foothills, Dove Mountain, etc.).
- Improved SEO organic ranking from page #20 to page #2 by implementing a quick and responsive website, using semantic HTML5 elements, and adding frequently updated content through blog postings.
- Optimized performance to receive multiple perfect scores on tests such as Google PageSpeed, GTMetrix, and Pingdom, through techniques like caching and compression.
- Managed thousands of custom search queries through IDX Broker based on geolocation, home features, school districts, neighborhoods, and more.
- Worked with the *Sayers Team*—the #1 real estate agent at Long Realty in Tucson, Arizona, and sold over 150 homes in 2015.

University of Arizona, *Teaching Assistant*, *Tucson, Arizona*   **August 2015 – December 2015**
- Facilitated *Principles of Web Design (infv403)* course by attending lectures, grading 200+ assignments, and answering student emails.
- Taught principles such as basic HTML5 elements and CSS selectors, to more advanced topics such as CSS box model, positioning, grid-based layouts, responsive design, and jQuery effects.

KloPro, *Web Developer / Graphic Designer*, *Santa Monica, California*   **June 2014 – December 2014**
- Built a simple 4-page custom website for a real estate drone start-up in Santa Monica, using HTML, CSS, JavaScript, and SVG.
- Designed logo and in the process learned Adobe Illustrator and how to create SVGs.

PROJECTS

uxscoreboard.com   **August 2016 – Present**
- Built interactive and dynamic sports scoreboard web app on React and ES6.
- Implemented modularity through the use of functional containers, presentational components, and CSS modules.
- Designed web app to be quick, fully responsive, minimal, and user-focused.
- Set up backend on a DigitalOcean droplet running an Ubuntu server, Nginx reverse proxy, Express server on top of Node.js— comes hooked up with SSL and LetsEncrypt auto-update every 3 months.
- Used other libraries/packages/tools, such as React Router, Git, Babel, Webpack 2, Axios, Moment, and SVGO.

zacarellano.com   **September 2016 – December 2016**
- Learned to create Single-Page App (SPA) solely through vanilla JavaScript and DOM manipulation.
- Optimized browser performance (GPU) by implementing requestAnimationFrame and achieving 60fps for all animations.
- Used other tools, such as SASS, Git, Gulp, Browserify, Babel, UglifyCSS, Imagemin, and Browser Sync.
- Designed web app to be quick, minimal, and straight to the point, fully responsive as well.
- Also used the same backend setup as uxscoreboard—DigitalOcean, Ubuntu, Nginx, Node, Express, SSL, and LetsEncrypt.