

Geoffrey Booth

front-end and back-end web developer passionate about creating elegant user experiences

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Proficiencies

Languages and Databases: CoffeeScript/JavaScript, Node.js, PHP, HTML5, CSS3/Stylus, MongoDB, SQL/MySQL, FileMaker, shell scripts.

Frameworks and APIs: Meteor, Ember, Backbone/Marionette, WordPress, jQuery, Twitter Bootstrap, Handlebars, Greensock, Velocity, D3, Underscore, Browserify, Google Analytics, Google Maps API, Leaflet, PhantomJS, Cucumber, WooCommerce, Facebook/Twitter/Google sharing.

Technologies: Responsive design, HiDPI/Retina design, reactive JavaScript templates, REST and JSON APIs, Ajax, CDNs, SEO, SVG, CSS3/JavaScript animation, web fonts, UI widgets, client-side routing, HTML5 audio/video, device camera/microphone/geolocation, screen scraping, vCards.

Software and Systems: Git, GitHub, Gulp, Grunt, SSH, FTP, Amazon Web Services, Digital Ocean, Jira, Bamboo, Sublime Text, Photoshop, Illustrator. Linux- and Mac-based server setup including Apache, Nginx and Node.js. Agile/Scrum project management and test-driven development.

Work Experience

Developer/Technical Lead, Trailer Park. Oct 2014-present. Technical lead for the following sites:

- **Jurassic World.** www.jurassicworld.com Designed architecture for the site, a highly-optimized single-page app visited by over 6 million people, including 300,000 in a single day. Implemented responsive design, analytics, social sharing, animated widgets, SVG icons and templates, a custom zoomable map, touch-friendly photo galleries, video and localization. Created data models to simulate park capacity and realistic attraction wait times and monorail schedule. *CoffeeScript, Backbone/Marionette, Handlebars, Grunt, Bootstrap, Leaflet, SVG, Greensock, Google Analytics, PhantomJS, CDNs.*
- **Trailer Park.** www.trailerpark.com (coming late 2015) Built custom CMS admin site and designed architecture for future public-facing site. Used Ember framework in both sites to communicate with a JSON API. CMS includes drag-and-drop flexible page sections and galleries, authentication, and validation of media dimensions before upload. Agile project with behavior tests. *CoffeeScript, Ember, JSON API, Gulp, responsive and HiDPI design.*

Developer/Architect/IT/Director of Production, Film Finances. Feb 2013-Jul 2014. Built the following internal, employee-facing web apps:

- **Production Tracking.** Web interface for remote hosted FileMaker database. Provides powerful tools for searching contacts and films based on multiple criteria, with contact search results downloadable as mobile-friendly vCards. Visualizes films' progress with interactive graphs, progress bars and maps. Custom UI widgets parse film-specific data types such as page counts and payroll hours. Built in Meteor with a PHP API endpoint to sync MongoDB and FileMaker databases. *CoffeeScript, Meteor, PHP, responsive, Bootstrap, Handlebars, Underscore, D3, X-Charts, X-Editable, Google Maps.*
- **Locations Map and Gallery.** Shows locations and photo galleries on map, with buttons to rate them. *CoffeeScript, Meteor, Google Maps, Dropbox.*
- **Open from Email.** Email links to shared files that open those files when clicked; eliminates the need to send attachments. *AppleScript, Dropbox.*
- **Degrees of IMDb.** Finds connections between any two people or companies on the Internet Movie Database. *Meteor, PhantomJS, screen scraping.*

Software Developer, New Regency. Dec 2012-Feb 2013. Wrote guidelines for digital asset management and worked with executives to design and build:

- **Replacer.** Finds and replaces sets of text pairs across folders and subfolders of Word and Excel documents. Features a Web interface where users can upload an entire folder and download it processed and zipped. *CoffeeScript, PHP, Meteor, MongoDB, Twitter Bootstrap, Ajax, jQuery plugins.*

Developer/Assistant to Producer, Keep Your Head. Oct 2011-Dec 2012. Wrote software and provided IT support for Academy Award-winning producer Anthony Katagas on various projects including films *12 Years a Slave* and *The Immigrant*. Built the following internal apps and scripts:

- **PDF Watermarker and Emailer.** Automates the creation and email distribution of watermarked PDFs. *Acrobat JavaScript, Python.*
- **Printable Map Stitcher.** Combines high-resolution Google Maps tiles into poster-sized maps that look sharp when printed. *Python, Google Maps.*
- **Secure Video Streamer.** Presents video on password-protected site via secure stream. *WordPress, Amazon CloudFront, RTMP streaming video player.*
- **Contact List Generator.** Generates traditional film industry three-column contact list from a group vCard or folder of vCards. *PHP, vCard PHP.*

Freelance Web Development Experience

Movie prop website. Built a web app as a prop for an upcoming studio film. Implemented live video from phone cameras with graphics overlaid, real chat rooms and voting leaderboard, and a control panel for an admin to send alerts and direct graphics. *Meteor, camera APIs, Greensock, Mac server setup.*

Workpop. www.workpop.com Implemented internationalization and parsing of uploaded PDF/Word résumés for this \$8 million Internet startup focusing on employer/employee matching. *Meteor, Handlebars, MongoDB, SOAP, XML, JSON, Node.js modules, Amazon Web Services.*

Stephen King: "The Basement." stephenking.com/promo/mr_mercedes/the-basement/ Game to promote the Stephen King book *Mr. Mercedes*. Users explore seven web-based "desktops" that simulate the computers used by the killer in the book. *JavaScript, PHP, heavily-modified Symbiose WebOS.*

Emerging Pictures. Search engine for films and showtimes of a global network of 500 movie theaters, handling 350,000 users per year. Users enter a location to see a map with theaters near them, including films and showtimes. *PHP, JavaScript, MySQL, WordPress, Google Maps API and Geocoder, Ajax.*

Piano Adventures. www.pianoadventures.cn, www.pianoadventures.com.au, www.pianoadventures.co.uk; www.pianoadventures-es.com Designed multilingual foreign sites for Piano Adventures, the #1 bestselling piano teaching method in the United States. Developing relaunch of American website, featuring searchable database of 298 publications including page and audio previews. *PHP, JavaScript, SASS, WordPress, WooCommerce, WordPress MultiLingual, responsive design.*

Education

Columbia University. *School of the Arts, 2005-2009.* Master of Fine Arts degree in Producing.

Cornell University. *College of Arts & Sciences, 1999-2003.* Bachelor of Arts degree in Film with a focus in Computer Science.