

# 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](http://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](http://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](http://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/](http://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](http://www.pianoadventures.cn), [www.pianoadventures.com.au](http://www.pianoadventures.com.au), [www.pianoadventures.co.uk](http://www.pianoadventures.co.uk); [www.pianoadventures-es.com](http://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.