Travis Randolph

LinkedIn | GitHub | www.travisArandolph.com
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PROJECTS

www.sharebnbapp.com | GitHub

Re-creation of vacation rental site Airbnb.com. Single page app using backbone and RESTful API design. Google Places API autocompletes search bar, map view displays results. Server side logic calculates which listings fall within the map view at every zoom level. Custom queries handle rental approval requests to prevent overlapped bookings. Intra-site messaging system allows users to coordinate travel plans.

www.taskdragger.com | GitHub

Task management site for organizing projects (re-creation of Trello). Backbone app consuming RESTful Rails API. Custom CompositeView extension from the backbone View handles rendering of multiple collections on one page. Rich user interaction featuring drag-and-droppable items with JQuery UI plugin.

MonoRails | GitHub

A thin MVC server side web framework powered by WEBrick. Performs the heavy lifting for jumpstarting a web app, including rendering templates, conventional parameter parsing, and cookie management.

LANGUAGES AND TECHNOLOGIES

Ruby on Rails, JavaScript, Backbone.js, AJAX, JQuery, HTML, CSS, SASS, SQL, Node.js, PostgreSQL, RSpec

EDUCATION

University of Southern California, Viterbi School of Engineering   May 2012
Bachelor of Science in Chemical Engineering   GPA 3.14

EXPERIENCE

Chevron Corporation, Energy Technology Company   Bakersfield, CA
Facilities Engineer   July 2012-Sept 2013
- Collaborated with international colleagues on a plan to reduce steam generator fuel costs by $100 million
- Analyzed pipe stress models of steam lines to incorporate into best practice recommendations
- Designed a simulation workbook to forecast the effect of flow back control on oil recovery for 2000 wells
- Derived a formula to track steam generator efficiency for over 100 generators

Aera Energy LLC   Bakersfield, CA
Reservoir Engineering Intern   Summer 2011
- Analyzed over 50 wells to establish which parameters indicated well success in a highly laminated reservoir
- Evaluated and improved the effectiveness of a well selection system to reduce missed opportunity by 3%

Production Engineering Intern   Summer 2010
- Implemented excel program to maximize generator efficiency, saving $200,000 per year
- Managed Six Sigma project that improved well testing accuracy 25% by increasing purge volume in between tests