Ryland Bell
Web Application Developer

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SKILLS

Languages & Platforms: JavaScript (ES6), CSS, HTML, Node, MongoDB, R
Tools: React, Redux, jQuery, Express, Sass, Bootstrap, Webpack
Other: AJAX, RESTful APIs, Responsive Design, TDD, Agile

PROJECTS *(Links to live versions and source code are available at ryland-bell.com)*

Playlist Dashboard for Spotify. Users visualize, filter, and sort their playlists with respect to song features, like danceability and energy, provided by Spotify's public API.

JSON Columns. A tool to visually navigate JSON data and find the path needed to reference a specific value. Users paste a JSON string into web app, or create a pre-loaded instance from the command line.

Pigeon Hoops. A full-stack web app implements an NBA predictions game. On the back end, an Express app works with a MongoDB database to track user picks, enforce game rules, and score predictions using real-world game outcome data. In the browser, a React/Redux app provides a user-friendly interface for making picks and tracking outcomes over the course of a month.

EMPLOYMENT HISTORY

Dream River Digital. Freelance Web Development Project, 2016-2017
- Worked with a small team building a cross-platform client management system for substance abuse recovery facilities.
- I designed the UI for clinicians, and implemented it with an Express web application.
- Features include graphical visualization of client check-in data, tracking clinician notes, and a tool to facilitate appointment scheduling.

Reed College. Quantitative Skills Center Coordinator, 2009-2016
- Collaborated with faculty, students, and staff to identify and address hurdles faced by students in courses with a quantitative component.
- Developed and implemented quantitative skills workshops and tutorials for students.
- Co-managed the peer tutor program, which included hiring, training, scheduling, and offering professional development opportunities for a staff of around 200 student tutors.
- Collected, analyzed and presented data for department reports.
- Served as founding member of Data@Reed, a cross-division working group created to help students gain fluency with modern data skills.

Mt. Hood Community College. Adjunct Mathematics Faculty, 2009-Present
- Taught math courses ranging from basic algebra to integral calculus, including statistics, typically to an audience of 30-34 students.

EDUCATION

Reed College. B.A. in Mathematics