

Ryland Bell

Web Developer

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Address: 2815 NE Couch St., Portland, OR 97232

SKILLS

Languages: JavaScript (ES6), CSS, HTML

Front-end: React, Redux, jQuery, Sass, Bootstrap, Webpack

Back-end: Node, Express, MongoDB

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

JSON Columns. A visual way to 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 game outcome data from nba.com. In the browser, a React/Redux app provides a user-friendly interface for making picks and tracking outcomes over the course of a month.

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.

Recovery Center Client Tracking Software. 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 an appointment scheduling facilitation tool.

EMPLOYMENT HISTORY

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.
- Designed quantitative skills curriculum for January Academy, a 3-week workshop for students looking to strengthen their writing, quantitative, and study skills between their first and second semesters of college.
- 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 at 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