

# ERICH UHER

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## PROJECTS

### Where Them Feeds At?

[live github](#)

RSS feed aggregator built with Ruby on Rails and Backbone.js

- ▶ Created a parsing method using regular expressions for scraping site metadata.
- ▶ Customized JSON serializers for data structures to optimize network performance.
- ▶ Utilized AJAX requests to update PostgreSQL database while giving user immediate visual feedback.

### Trellino

[github](#)

Project management web app built with Ruby on Rails and Backbone.js

- ▶ Created nested backbone views to allow independent CRUD actions without a full page refresh.
- ▶ Implemented jQuery UI to allow resorting of items with drag/drop cursor interactions.
- ▶ Optimized backbone view swapping to prevent excessive rendering.

## EXPERTISE

- ▶ Ruby, Ruby on Rails, Javascript, Backbone.js, SQL, HTML/CSS, Git, MATLAB

## EXPERIENCE

### Pirates Press

*Hydraulic Press Operator*

San Francisco, CA

Apr. 2013–Nov. 2013

- ▶ Shift leader directing the manufacture, listenability, and aesthetic standards of flexi-record production.

### Desert Research Institute

*Graduate Research Assistant*

Reno, NV

June 2010–Dec. 2012

- ▶ Created and ran Weather Research and Forecasting model case studies to demonstrate interaction of weather features with complex terrain.
- ▶ Determined the observed climatological distribution of significant wind events to advise large-crane construction operation.
- ▶ Designed and implemented quality control algorithms for Doppler radar wind profilers at Cape Canaveral. Identified climatological variation of low-level jets relevant to plume dispersion.

### University of Nevada, Reno

*Physics Laboratory Teaching Assistant*

Reno, NV

Jan. 2010–May 2010

- ▶ Instructed 60+ undergraduate students in applied electromagnetism and wave-particle physics.

## EDUCATION

### App Academy, San Francisco

August 2014. Intensive full-stack web development course. Less than 5% acceptance rate.

### University of Nevada, Reno

Master of Science, Atmospheric Science, August 2013

- ▶ Thesis: "Topographic Influence and Atmospheric Dynamics in the Indian Wells Valley."

### University of California, Davis

Bachelor of Science, Atmospheric Science, June 2008

## OTHER ACCOMPLISHMENTS

Hiking Mt. Whitney, writing a disco zine, organizing and performing a rock concert in a cave.