

COLLIN SMITH

PROJECTS

Theme Park List

[Live](#) · [Github](#)

Single page web app for filtering and finding theme parks

- Built with Backbone.js, consuming a RESTful JSON Rails API.
- Custom SQL queries to search, sort, and filter parks.
- Custom authentication using Bcrypt overrides User#password= method to store secret hash instead of plain text.
- Curated data on weather, costs, and rides for over 100 parks.

Asteroids.js

[Live](#) · [Github](#)

Classic game built for the browser with JavaScript

- Uses HTML5 Canvas to render in the browser.
- Key handlers set intervals to provide smooth movement.

Chess

[Github](#)

Ruby implementation with a command line interface.

- AI finds checkmates, checks, and attacking moves.
- Custom deep dup method on the board allows checking if a move will leave the player in check before executing it.
- Slidable and Steppable modules reduce code reuse.
- Board uses null object pattern for empty squares.

SKILLS

JavaScript · Backbone.js · Ruby · Rails · Git · SQL · jQuery · CSS · HTML

EDUCATION

App Academy

August 2015

Full stack web development course. Acceptance rate < 5%

- Built my own Ruby web framework and object-relational mapper.

University of Oregon

June 2013

BS in Biology and Political Science

- GPA: 3.45
- Included coursework in calculus and statistical analysis.

Ongoing Coursework

2014-2015

- Completed Coursera courses in programming and data science.
- Self directed study of online curriculum for Ruby and Rails.

WORK HISTORY

Driver, Track Town Pizza, Eugene

2013-2014

- Received orders and delivered to customers.

Lab Consultant, Whitman College Tech. Services

2007-2008

- Aided students with computer difficulties.
- Serviced printers and computers in labs.