Collin Smith

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Portfolio   **Github**   **LinkedIn**

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.
- Tailored SQL queries allow users 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 use the setInterval method for smooth movement.

Chess   Github

Ruby implementation with a command line interface.
- AI finds checkmates, checks, and attacking moves.
- Board's deep dup method allows checking if a move will leave the player in check before executing it.
- Slidable and Steppable modules reduce code reuse.
- Uses null object pattern to represent 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 Python and data science.
- Self directed study of online curriculum for Ruby and Rails.

WORK HISTORY

Driver, Track Town Pizza, Eugene   2013-2014
- Processed up to $400 of transactions per shift.

Lab Consultant, Whitman College Tech. Services   2007-2008
- Provided technical support to students.