Greg Michnikov

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PROJECTS

Untrippd (Rails, PostgreSQL, React, Redux)   Live   Github

A fullstack, single-page travel recommendation sharing app, inspired by Untappd

- Optimizes aggregation of suggestions using polymorphic Suggestion model and custom SQL queries
- Search bar sends AJAX requests onChange, so results update in real-time
- Keeps code DRY with partials, reuse of SuggestionFeed React component

GM-83 Plus (JavaScript, jQuery, Canvas, Mathquill)   Live   Github
Browser-based graphing calculator

- Utilizes HTML5 Canvas for pixel-level detail in graphs and calculations
- Custom implementation of all math features (e.g. solutions, intersections)
- Responsive design includes mouse scroll zoom and coefficient sliders

Chess (Ruby)   Github
Terminal-based chess game that offers 1-player and 2-player mode

- Maximizes use of object-oriented design principles, including multiple levels of inheritance for chess pieces
- Created Chess AI that looks to capture pieces and put opponent in check
- Optional beginner mode shows user all possible moves for select piece

EXPERIENCE

Success Academy Charter Schools (New York, NY) **-** MS/HS Math Teacher

JUNE 2013 - JUNE 2016

- 95% of MS students passed NY State math exam, vs. 31% statewide.
- 90% of HS students met HS graduation requirement on SAT 2 Math.

Achievement First (Brooklyn, NY)**,** Data Fellow

AUGUST 2012 - JUNE 2013

- Collected, cleaned, and analyzed data about 500+ teachers, allowing AF to successfully complete year 1 of innovative teacher evaluation program

GMATBoost.com (New York, NY)**,** Founder

MAY 2011 - NOVEMBER 2011

- Built a GMAT Math prep website from scratch in PHP; wrote code, created content, recorded 250+ videos; 50 paid customers

SKILLS

Ruby	Rails	JavaScript
HTML	CSS	jQuery
React	Redux	Git
RSpec	SQL	Tableau

EDUCATION

App Academy
1000+ hour web development course with < 5% acceptance rate; topics include test-driven development, OOP, REST, and custom authorization

Touro College -
MS in Childhood Education &
Special Education (2014)
GPA 4.0

Harvard University -
BA Economics (2006)
Cum Laude, GPA 3.6
Coursework included Intro CS, Statistics, Linear Algebra