Harrison Brown

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Software Developer
Github LinkedIn AngelList Personal

PROJECTS

Slabb — link - github

Feature-rich live chat web app using Ruby on Rails, PostgreSQL, React.js, and Redux

- Leveraged the Pusher API to implement full-duplex websocket connections, allowing live-chat functionality for everything from direct message notifications to emojis.
- Used the react-emoji node package to build Slack-like "reaction" functionality to maximize fun.

Data Don't Lie — link - github

NBA statistics data visualization built with D3.js

- Implemented a powerful, functionally-inspired design that allows for easy reusability.

ZeroOne — github

Ultra-lightweight JavaScript-based 0-1 integer programming library.

- Wrote an efficient implementation of branch-and-bound search with SAT solver-based optimizations.
- Straightforward, easy-to-use API inspired by Ruby minisat bindings.

EXPERIENCE

Tec-Trac, Inc. — *Customer Support Engineer*

8/2014 - 12/2016

- Provided enthusiastic customer service for a vehicle monitoring app for parents of teen drivers.
- Wrote low-level hardware scripts and backend parsing algorithms for a new tracking hardware solution.

EDUCATION

University of Alabama, Tuscaloosa — *B.S. Mathematics*

DECEMBER 2012

Took courses in linear and abstract algebra, graph theory and combinatorics, and theoretical CS.

App Academy, New York

1000-hour-plus full-stack software development bootcamp with an acceptance rate under 3%

SKILLS

- Git
- Ruby
- Rails
- PostgreSQL
- MS SQL Server
- JavaScript
- HTML5
- CSS3
- React.js
- Redux
- Python
- scikit-learn
- AWS
- TDD
- Pair programming
- .NET
- Graph theory
- Algorithms