

Harrison Brown

Software Developer

[Github](#) [LinkedIn](#) [AngelList](#) [Personal](#)

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PROJECTS

Slabb — [link](#) - [github](#)

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

- Created reusable React components for easy maintainability.
- Implemented push updates for live chat using the Pusher API.
- 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

- Highly interactive visualization of up to three dimensions simultaneously.
- Leverages Firebase to allow storage and sharing of views.
- Wrote cron job that scrapes web for latest scores, keeping data up-to-date.

ZeroOne — [github](#)

Ultra-lightweight JavaScript library for 0-1 integer programming

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

EXPERIENCE

Tec-Trac, Inc. — *Programmer*

8/2014 - 12/2016

- Built tools to facilitate customer support interactions for a GPS tracking 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

Advanced coursework in linear and abstract algebra, graph theory and combinatorics, and theoretical CS; placed in top 50 on prestigious national mathematics exam.

App Academy, New York

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

SKILLS

- Ruby
- Rails
- RSpec
- PostgreSQL
- MS SQL Server
- JavaScript
- TypeScript
- Jest
- HTML5
- SCSS
- React.js
- Redux
- D3.js
- Webpack
- Python
- Scikit-learn
- .NET
- AWS
- TDD
- Pair programming
- Git
- Graph theory
- Algorithms