

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

- Implemented live chat functionality using the Pusher API to implement full-duplex websocket connections, allowing the app to live-update 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.

- Created an efficient implementation of branch-and-bound search with SAT solver-inspired optimizations.

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 full-stack web development bootcamp with < 3% acceptance rate

SKILLS

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