

Harrison Brown

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[Github](#) [LinkedIn](#)

PROJECTS

Slabb — [link](#) - [github](#)

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

- Implemented live chat functionality by using the Pusher API to implement full-duplex websocket connections, allowing the app to live-update everything from direct message notifications to emoji.
- Ensured maximum user fun by supporting emoji functionality with the react-emoji node package.

Data Don't Lie — [link](#) - [github](#)

NBA statistics data visualization built with D3.js

- Flexible and powerful interface allows for easy customization of visual or data elements.

ZeroOne — [github](#)

Fast, powerful, and ultra-lightweight JavaScript-based 0-1 integer programming library.

- Forms the backbone of a “smart Minesweeper” JavaScript game that tracks whether losing moves can possibly win and “nicely” changes the board if they can.

EXPERIENCE

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

8/2014 – 12/2016

- Provided enthusiastic customer service for a vehicle monitoring app for parents of teen drivers.
- Oversaw transition to a new mobile tracking hardware solution, including writing low-level hardware scripts and backend parsing algorithms for the new trackers.

EDUCATION

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

GRADUATED 12/2012

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