
Technical Skills

- Javascript, React, JQuery, Angular, Node, Express, HTML, CSS, MongoDB, Mongoose, PostgreSQL, Knex, SQLite3, D3, Git, Heroku

Software Engineering Projects

Trivial Conquest, Software Engineer

intense-journey-25938.herokuapp.com

A location-based territorial strategy game.

- Called Google Maps API to render location-based maps and save user-designated map markers
- Configured Ionic framework with Cordova plugins to develop mobile web-focused UI
- Created front-end Angular controllers to handle user input and read from/write to database
- Employed test-driven workflow to limit debugging and ensure app functionality during development

Github Repo Search, Software Engineer

<https://github.com/brettcnelson/fullstackgithub>

Search GitHub for any user and view a list of repositories sorted by popularity.

- Created Knex schemas to manage SQLite database
- Called GitHub API to add data to database using Node and Express
- Managed front-end GET and POST requests using jQuery AJAX calls

React Fullstack Boilerplate

<https://github.com/brettcnelson/react-fullstack-boilerplate>

- Built fullstack boilerplate with create-react-app, react-router, an express proxy API server, working CRUD functionality with MongoDB/mongoose - preconfigured for easy Heroku deployment

Dark Sky New Tab Chrome Extension

<https://github.com/brettcnelson/dark-sky-new-tab>

- Published new tab Chrome extension in Chrome Web Store (~475 users, 4.9 star rating)
- Combined Dark Sky weather data with Google Maps API to: get location-based weather, search any location for weather, get relevant Dark Sky and Google Maps links, and save your search locations

Tic-Tac-Toe Basic Machine Learning

<https://github.com/brettcnelson/auto-tic>

- Wrote machine learning algorithm for tic-tac-toe self-play
- Built React front-end where users can play against the computer as it continues to learn

Sudoku Solver

<https://github.com/brettcnelson/sudoku-solver>

- Wrote React front-end combined with algorithm to recursively solve any Sudoku puzzle

Lightweight Framework

<https://github.com/brettcnelson/MinimalFramework>

- Built lightweight, minimal front-end framework script that diffs the DOM and manages component state

Professional Experience

The Stone Firm, LLC, Paralegal

2013 - 2018

- Researched, reviewed, drafted and edited M&A contracts
- Performed legal research for regulatory compliance and document analysis to evaluate businesses

Webking McClendon Law Firm, PC, Paralegal

2008 - 2012

- Drafted intervention, discovery and appeal documents for litigation in over 20 cases
- Managed accounts receivable for the 10 members of the Texas Energy Association of Marketers

Education

Hack Reactor, Advanced Software Engineering Immersive Program

2017

Tufts University, B.A., Anthropology

2008