

JEREMY FRIEDEL

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[PORTFOLIO](#)

[GITHUB](#)

[LINKEDIN](#)

SKILLS

Javascript, React, Redux, Ruby, Rails, jQuery, Python, Java, C, CSS, SQL, git, TDD

PROJECTS

StackOverTroubledWater (Rails, React, Redux, SQL, Heroku, npm, webpack, CSS, HTML) | *Sole Developer*

[live](#) | [github](#)

Single Page Stack Overflow clone built with a rails API backend and React and Redux Frontend

- Redux and React single page app which allows dynamical DOM changes without reloading the page or any of the unchanged components of the page.
- Uses efficient SQL queries to transfer information efficiently from backend to frontend using a custom JBuilder JSON AP customized to the requirements of the project minimizing Rails backend load.
- Ensures user privacy through frontend and backend authentication measures and React Router, allowing users to only post and make changes to their own posts, comments, and answers when logged in.
- Allows answers to questions to include code formatting, images, links, and other user formatting such as bold and italics with React Quille integrated into the site.

Tetris19 (JavaScript, HTML5 Canvas, npm, webpack, CSS, HTML) | *Sole Developer*

[live](#) | [github](#)

HTML5 Canvas ES6 JavaScript clone of Tetris.

- Uses HTML5 Canvas with vanilla ES6 JavaScript to give an engaging visual and audio experience using native JavaScript.
- Separate logic and presentation in Object Oriented ES6 classes, allowing for greater developer flexibility and a clean codebase.
- Complete clone of the classic game, including modern additions such as hold and next piece preview.
- Uses webpack and babel configuration to serve even legacy browsers with a modern JavaScript ES6 Application.

GraphPie (Python, matplotlib, tkInter, NumPy, SciPy) | *Sole Developer*

[live](#) | [github](#)

Python graphing of mathematical functions, with both a GUI and CLI to a single Python OO backend.

- Uses matplotlib for a zoomable and customizable graph of more than 20 mathematical functions.
- Allows multiple functions to be graphed on the same window for easy comparison.
- Cross platform compatible GUI application that works on all three major operating systems.
- Separation of concerns and OOP allow both interfaces to use the same backend.

EXPERIENCE

Congressional Intern

US Congress

January 2018 - June 2018

- Utilized Intranet Quorum database software to quickly handle the dozens of daily constituent services requests, including progress tracking and contact information.
- Communicate directly with constituents, both over phone and with email to track progress, including such diverse areas as political requests to veteran affairs, including over 30 requests for war medals as far back as World War II, most of which we could successfully facilitate the issuance of.
- Organized monthly town hall meetings that were attended by over 200 people.

EDUCATION

Web Development - App Academy (Spring 2019)

Decision Science - Carnegie Mellon University, 2017