

Grant Kopplin

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[LinkedIn](#)

[Github](#)

SKILLS Ruby, Rails, JavaScript, React, Redux, SQL, jQuery, HTML, CSS, Canvas

PROJECTS

Grumblr | (React/Redux, Rails, Webpack, AWS, PostgreSQL, jQuery, HTML/CSS, Heroku)

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

A full-stack clone of Tumblr for people who love to grumble

- Designed a sliding carousel of pages on the splash page using DOM scroll/click event listeners. User input changes the classes of HTML elements and triggers a series of animations.
- Queried joins tables for likes and follows using asynchronous AJAX requests. Took advantage of the "data" parameter for each request to limit the amount of data passed to the frontend.
- Improved scalability and reduced local data storage by implementing AWS S3 cloud storage.

Maze Escape | (JavaScript, HTML5 Canvas)

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

A retro, turn-based maze escape game with AI enemies

- Created 2.5D walls using Canvas' rect and lineTo methods and implemented collision logic based on the positioning of the characters and walls.
- Implemented logic to conditionally show/hide HTML elements (such as instructions and the win screen) based on the user's progression through the levels of the game.
- Utilized DOM keypress event listeners to re-render certain layers of the Canvas element based on user input.

EXPERIENCE

Research Assistant

Guttmacher Institute

Dec 2015 - Feb 2019

- Standardized Stata datasets for 147 countries for the latest iteration of *Adding It Up*, a heavily cited series summarizing global contraceptive use and maternal/newborn health. Created a system for pulling and processing data from PDFs using Tabula, which greatly improved efficiency and minimized errors compared to manual data entry.
- Prepared Stata dataset for analysis for a project comparing trends in contraceptive use and sexual activity in the U.S. and Great Britain. Conducted analyses including logistic regressions and Cox regressions and found support for the hypothesis that trends in teenage pregnancy were driven primarily by increases in contraceptive use.

Research Assistant

Institution for Social and Policy Studies

May 2014 - May 2015

- Prepared 4-5 datasets for publication on the ISPS online data archive by implementing standardized conventions for naming/labeling variables and other best practices.
- Reviewed datasets and ran regressions and other analyses to confirm that published results were reproducible

EDUCATION

App Academy - 2019 - A highly selective, full-stack web development course

Yale University - BS Psychology, 2010-2015