Avital Drucker

New York, NY • avitaldrucker@gmail.com • 732-678-7120

Github • avitaldrucker.com • LinkedIn

Projects Greatreads [Ruby on Rails, JavaScript, React, Redux]

Live • GitHub

Full-stack web application inspired by Goodreads for viewing, reviewing, and collecting books.

- Applied conditional logic in Rails controllers to filter books, bookshelves, and reviews by user, read status, and other criteria, based on the React component and route.
- Leveraged AJAX requests dispatched on user input for autocompleting search results.
- Wrote a SQL guery for book search to select more intelligent autocomplete matches.
- Seamlessly rendered data by creating a Redux reducer that manages whether fetched information has been received.
- Employed Paperclip to store images in AWS S3, improving performance and scalability.

Tetris [JavaScript] <u>Live</u> • <u>GitHub</u>

Classic interactive, tile-matching browser game, built on object-oriented programming principles.

- Interfaced with the native browser DOM API and HTML5 Canvas to render the changing grid, update scores, respond to tile manipulation, and replay the game.
- Implemented logic for the game, board, and tile classes including types of rotation through prototypal inheritance and object-oriented programming, minimizing code duplication and enforcing separation of concerns.
- Wrote asynchronous callbacks to increase tile descent speed, challenging the player.

Chess [Ruby] GitHub

- Implemented game logic through board, game, and piece classes, leveraging object-oriented programming design principles and class-based inheritance.
- Built a computer player with tree nodes and the minimax algorithm.
- Integrated sliding and stepping modules in piece classes to standardize move logic.

Skills Ruby, Ruby on Rails, RSpec, JavaScript, React, Redux, jQuery, HTML, CSS, SQL, Git, Heroku

Education App Academy, New York, NY

December 2016-March 2017

Full-stack, 1,000-hour web development course. Acceptance rate <5%.

• Topics include Rails, React, TDD, algorithms, OOP, coding style, and single-page apps.

McGill University, Montreal, QC, CA

September 2011-June 2014

- Bachelor of Arts, Political Science
- GPA 3.8, Dean's List, and performance within the top 10% of graduating class.
- Courses included Foundations of Programming (Java, A).

Work History

Project Assistant, Atlantic Council, Washington, DC

February-June 2016

• Expanded outreach within a tight-knit team by managing email blasts and site content through Salesforce, researching political developments, and designing events.

Planned Giving Assistant, American Jewish Committee, New York, NY 2014-2015

 Advanced the securement of major gifts by researching prospects and restructuring donor information through The Raiser's Edge and MS Excel.