

David Anderson

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SKILLS

JavaScript, React, Redux, Ruby, Ruby on Rails, Python, SQL, HTML5, CSS3, Git, Amazon Web Services (AWS), jQuery, Heroku, Test-Driven Development

PROJECTS

Fakebook (React, Redux, JavaScript, Ruby on Rails, SQL, HTML5, CSS3, Heroku) [Live Site](#) | [GitHub](#)

A Facebook-inspired single-page social media site.

- Produced multifaceted, DRY code by refactoring the news feed and the profile “wall” to both be composed of the same child component agnostic with properties agnostic of the parent component.
- Added ActiveStorage migration to Rails and integrated Amazon Web Services (AWS)—allowing for optimized media storage and retrieval—so that users can upload images.

PONGPONGPONGPONGPONGPONGPONGPONGPONG (JavaScript, HTML5, CSS3) [Live Site](#) | [GitHub](#)

A colorful, object-oriented JavaScript variation on the classic *Pong*.

- Built a challenging yet fallible AI opponent to play against users by designing a custom positioning algorithm that, when updated, changes the Y coordinate to an average of the current position and that of a ball whose velocity is within a specified range.
- Utilized the Canvas API, CSS styling, and custom fonts to create a coherent and consistent design that evokes, and subverts, the retro style of the original game.

Block Attack! (JavaScript, HTML5, CSS3) [Live Site](#) | [GitHub](#)

A JavaScript puzzle game based on the 1995 Super Nintendo game *Tetris Attack*.

- Wrote complex, multi-function algorithms to check for perpendicular and multi-colored puzzle solutions within the grid array so that players are more greatly rewarded for composite, complicated solutions.
- Employed a game loop built on top of the “window.requestAnimationFrame” method to facilitate animation by calling the “update” function, drawing the board, checking the grid for cleared puzzles, and updating the player’s score.

Pitt, the Elder (Python, JavaScript, HTML, CSS) [Live Site](#) | [GitHub](#)

A single page that returns the title and synopsis for a random *Simpsons* episode of based on a range of seasons.

- Scraped *the Simpsons* episode data into a CSV file from IMDB using the BeautifulSoup library for Python.
- Converted the episode data from the CSV file into JavaScript objects using AJAX requests so that episode data is stored in accessible, clear data structures for O(1) lookup.

EXPERIENCE

Editorial Assistant at Springer Nature, academic publisher (April 2018 – November 2018)

- Updated HTML daily for 20 academic journals to keep customer-facing websites up-to-date.
- Built and maintained monthly, quarterly, and annual reports for 20 journals requiring data analysis of sales and web analytics, resulting in coherent and uniform reports across journals.

Editorial Assistant at Akashic Books, literary publisher (May 2017 — April 2018)

- Tracked editorial changes in InDesign to keep a coherent and correct record of changes to manuscripts while copy editing over 50 manuscripts for publication.
- Updated HTML to add flash fiction pieces to the website.

ClickHole Contributor at the Onion, satirical publication (March 2016 — December 2017)

- Wrote one thousand satirical headlines to make coworkers laugh.

EDUCATION

App Academy (November 2018 – February 2019)

Immersive, 1,000-hour software development course with focus on full stack web development (accepts < 3% of all applicants)

University of Minnesota—Twin Cities (September 2010 – May 2014)

Bachelor of Arts—English Literature and Philosophy