

# Bennett Winters

[Portfolio](#) [LinkedIn](#) [GitHub](#)

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**Primary Skills** — JavaScript, React, HTML, CSS, Gatsby

## Projects

**Fairy Chess** — (React, Canvas, Jest)

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

*A one-player variation of chess, pitting randomized pieces against waves of simple AI pawns.*

- The unidirectional data flow architecture consists of a single useReducer. Its dispatch is shared through Context to update the deep-nested, interdependent pieces of the global state object.
- The ~150 custom chess pieces necessitate many custom algorithms—to encode piece movements in short string/array definitions, to recursively recombine piece movements, etc.
- A performant, intuitive, and information-rich drag/drop UI, built with only the HTML5 drag API.

**Anti-Adjective Text Editor** — (React, Datamuse API, Compromise NLP)

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

*An editor that plugs in language-processing. It allows word-highlighting and synonym-fetching with 'tab.'*

- Editor-content parsing function disrupts UX, so it's debounced relative to user input, and only run after checking against useRef pointers which store content metadata without rerendering
- A custom algorithm traverses the DOM tree of the editor div's innerHTML when it's parsed, and recalculates which node the caret should be in after the tree is rebuilt with an altered structure.

**Immaculate Conception Library Homepage** — (Gatsby, SVG, Cloud Functions)

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

*A static site, built to present a visually engaging collection of links to elementary school students.*

- Leverages serverless functions to hide client secrets from public repo and link query string.
- Pre-renders private routes using a node plugin, and hides them behind Reach Router.

## Work Experience

**Graduate Instructor** | 2016 - 2019 | Richmond, VA

Virginia Commonwealth University

- Planned and taught undergraduate writing courses, including: "Inquiry and the Craft of Argument," "The Reading and Writing of Fiction and Poetry," and "Honors Expository Writing."
- Average student evaluation rating of 4.67 out of 5.

**Copyeditor** | 2016-2017 | Richmond, VA

Blackbird—An Online Journal of Literature and the Arts

**English Teacher** | 2015-2016 | Ulsan, South Korea

Ulsan Metropolitan Office of Education

## Education

**Cornell University** | 2011-2015 | Ithaca, NY

B.A. in English, concentration in Creative Writing, 3.62 GPA

**Virginia Commonwealth University** | 2016-2019 | Richmond, VA

Master of Fine Arts in Creative Writing (Fiction), 4.00 GPA