

Riley Littlefield

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

PROJECTS

[AnkiClone](#) - Full-stack, single-page flashcard app. [Github](#)

Languages/ Frameworks JavaScript, HTML, CSS, Rails, React, Flux, PostgreSQL, Canvas

- Frontend architected according to the Flux pattern and rendered with React.
- Serves RESTful JSON API via a Ruby on Rails backend.
- Smart deck review system that draws flashcards using a spaced repetition algorithm.
- User data displayed in custom graphs rendered in Canvas.js

Terminal Chess - Command line chess app. [Github](#)

Languages Ruby

- Supports a computer player AI that chooses moves based on generated move trees.
- Utilizes class inheritance and Ruby modules to produce DRY, readable code.

[Zombie Escape](#) 2D browser game written in JavaScript. [Github](#)

Languages/ Libraries JavaScript, Canvas.js, Keymaster.js

- Sprite animation and zombie variety supported through object oriented design.
- Complex zombie chasing/ herding achieved through simplified boids (herding units).
- Moving characters animated through asynchronous callbacks.

SKILLS

Ruby, JavaScript, HTML, CSS, Rails, React.js, Flux, Node.js, Webpack, Canvas.js, PostgreSQL, Java, Processing, Mathematica, Google Maps API

EDUCATION

App Academy, New York NY

Apr 2016 - Jul 2016

- Curriculum highlights: DRY and readable code, pair programming, algorithms, fullstack Web Development.
- Stack: Rails, JavaScript, HTML, CSS, React, Flux, Node, Webpack, PostgreSQL
- Current admission rate is less than 3%.

Stetson University, DeLand FL - *Mathematics*

Aug 2011 - May 2015

BS - Mathematics, Minor - Physics, GPA: 3.9

Relevant Coursework

- Intro to Programming, Intro to Logic & Proof, Statistics & Probability, Calculus
- Honored with Undergraduate Research Award for work on Vertex Perfect Graphs

WORK HISTORY

WinBe English School, Narita Japan

Aug 2015 - Dec 2015

English Teacher : Instructed students ranging 2 - 15 years old in practical English.