Riley Littlefield

Web Developer

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GitHub

PROJECTS

AnkiClone full stack, single-page flashcard app. repo
- Flashcard & deck creation supported by syncing frontend Flux cycles with Rails/ PostgreSQL backend.
- Smart deck review system that draws flashcards using an original card weighting algorithm.
- Review statistics dynamically displayed with graphs implemented in html and canvas.js.
- Stat storage maximized through database design that minimizes review table space complexity.

Languages/ Frameworks: Ruby, JavaScript, html, CSS, Rails, React, Flux, PostgreSQL, Canvas

Terminal Chess command line chess app repo
- Functional chess app supporting multiplayer and (pending) single player play.
- Utilizes class inheritance and Ruby modules to produce DRY, readable code.

Languages: Ruby

Zombie Escape 2D browser game written in JavaScript with Canvas repo
- Sprite animation and zombie variety supported through object oriented design
- Complex zombie chasing/ herding achieved through simplified boids (herding units)
- Animation framework made using javascript callbacks
- Player input implemented with keymaster lib

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

SKILLS

Developer: Ruby, JavaScript, HTML, CSS, Rails, React, Flux, Canvas, PostgreSQL, Java (learning), Processing (learning), Mathematica (learning)

Languages: English, Japanese (conversational)

EDUCATION

App Academy, New York NY

April 2016 - July 2016

Three month course on full stack web design.

Stetson University, DeLand FL *- Mathematics*

April 2016 - July 2016

Bachelor degree in mathematics with a minor in physics. Final GPA: 3.9

Relevant Coursework

Intro to Programming (in Java), Intro to Logic and Proof, Statistics & Probability, Calculus/ Modeling

Achievements

Undergraduate Research Award - received for contributions to Vertex Perfect Graphs.

WORK HISTORY

WinBe English School, Narita Japan

August 2015 - December 2015

English Teacher

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

Stetson University, DeLand Florida

April 2016 - July 2016

Student Peer Instructor

Tutored students one on one in topics including calculus, algebra, and introductory physics. Prepared ancillary lectures for students with course content.