

Robert Veltman

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SKILLS Ruby | Rails | Javascript | Python | SQL | React | jQuery | HTML | CSS | Redux | TDD

PROJECTS **FroogleDocs** (*Rails, React, Redux*) [live](#) | [git](#)

Full stack web application inspired by Google Docs

- Combines docs' HTML contents with CSS rules to create thumbnails
- Moves comments to their selected text position using jQuery and React
- Created a rich-text editor that dynamically generates HTML/CSS-styled text, evaluates cursor position, and applies selection changes

Easel on Diesel (*JavaScript, NPM*) [live demo](#) | [git](#)

NPM package; Framework for making 2D games using Canvas/EaselJS

- Separates concerns between rendering and game logic
- Abstracts away all high-level logic; users simply fill in the blanks
- Creates folder structure scaffolding using shell scripts

DownFall (*HTML5, JavaScript, Canvas*) [live](#) | [git](#)

Browser-based, vertically-designed platforming game

- Recursively generates random landable platform structures using a PolyTree
- Incorporates infinite parallax scrolling to minimize sprite generation
- Dynamically increases game difficulty with player depth

Aviators (*Python, Pygame, MongoDB*) | [git](#)

Side-scrolling, classic arcade-inspired space game

- Manages all on-screen actions/animations with a custom action handler
- Sprites and sound effects are cached per-level to increase performance

EXPERIENCE **Teaching Assistant** **2017**

App Academy

New York, NY

- Prepared and presented lectures on data structures, control flow, & enumerables
- Provided individual student instruction on general programming concepts in Ruby

Process Improvement Analyst

2015 - 2016

Bumble Bee Foods

Cape May, NJ

- Built a search program for plant maintenance parts using SAP data, resulting in drastic improvements in overall production and department efficiency
- Created Python web scraper to collect and analyze manufacturing data
- Automated processes with Python and AutoHotKey, saving hundreds of hours in data entry and various work tasks

EDUCATION **App Academy** **2016**

Full-Stack Programming Bootcamp, < 3% Acceptance

New York, NY

The College of New Jersey

2012 - 2014

Bachelor of Arts, Economics

Ewing, NJ

Clemson University

2010-2012

Calhoun Honors College, Create-A-Course Contest Winner

Clemson, SC