

Bill Wiegert

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Software Projects

Constructibles.pro (Rails, React-Redux, PostgreSQL)

[Live](#) | [GitHub](#)

- Utilized BCrypt gem to securely store and validate passwords
- Integrated AWS S3 for remote image upload and hosting
- Leveraged Active Record's nested attributes to keep code DRY by simultaneously creating projects and their dependant steps

Mazer.space (JavaScript, HTML5)

[Live](#) | [GitHub](#)

- Created a smart AI that solves user-created mazes
- Implemented a breadth-first search algorithm for pathfinding, ensuring the shortest possible path is found
- Utilized EaselJS to facilitate interaction with HTML5 Canvas and create an intuitive interface for the user

Chess.rb (Ruby)

[GitHub](#)

- Pieces use class inheritance and modules to keep code DRY
- Created an AI that utilizes a minimax algorithm to evaluate multiple turns ahead

Skills

Ruby

JavaScript

jQuery

HTML

RSpec

Ruby on Rails

React

Redux

Git

SQL

CSS

Professional Experience

West Marine Products Inc.

Port Washington, NY - 2011-2016

Store Manager of \$1.5M/yr store

- Promoted from Associate to Assistant Manager to Store Manager within three years.
- Selected for tech expertise to participate in a search functionality improvement project on customer-facing website; Implemented side-by-side product comparison as well as keyword search.

Education

App Academy

New York, NY 2016

- Rigorous full-stack programming course with less than 3% acceptance rate.
- 1000 hour course taught Rails, React, SQL, JS and proper programming practices.

Stony Brook University

Stony Brook, NY 2010

- Majored in Computer Science
 - ◆ CSE114 - Computer Science I
 - ◆ CSE214 - Computer Science II
 - ◆ CSE215 - Foundations of Computer Science