Cody Pizzaia

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PROJECTS

FightClub *(Rails, React/Flux)* | live | github
Single page group organizing site based on Meetup.com

- Comprehensive test suite in RSpec and Capybara.
- Pagination of database for efficient queries and infinite scrolling.
- Interactive UI with instantaneous and valuable feedback.
- Automatically uploads images using Amazon S3 API through paperclip.

DualBird *(Javascript, HTML5)* | live | github
Flappy Bird clone made with HTML5 Canvas.

- Fully tested in Jasmine.
- Touch and click events allow both mobile and desktop play.
- States within the game enable 2 modes of play.

JavaScript Chess |live | github
Chess built in vanilla JavaScript (no framework or library used).

- Fully tested in Jasmine.
- Utilizes prototypical inheritance to DRY up piece classes.

SKILLS

Ruby | Rails | Javascript | jQuery | React | TDD | Flux | PostgreSQL | Git

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EXPERIENCE

Electrical Engineering Intern - *Moog Space and Defense Group (2014 - 2015)*

- Designed back EMF load box to simulate motor forces for avionics testing.
- Performed worst case analysis on avionics to ensure they met customer requirements.
- Developed proposal tool based in Excel allowing customers to configure a custom avionics unit.
- Managed all documentation for an entire satellite program (schematics, user guides, and assemblies) and interfaced with QA to ensure they met standards.
- Designed GUIs in LabView for simulation and debugging of avionics.

EDUCATION

App Academy, 2015
Immersive software development program with focus on web development and agile methodologies with a < 5% acceptance rate.

Arizona State University, 2014
B.S. Electrical Engineering
GPA 3.43
Course Highlights
Networking and internet protocols
Computer architecture and assembly language programming
Realtime digital signal processing using C++