

Darren Tan

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PROJECTS

TournaGen (Rails, Backbone) | [live](#) | [github](#)

Full Stack Application that generates tournament brackets with updating features

- ❖ Dynamically creates properly-sized brackets using a jQuery plugin and calculates the starting matchups through a branching algorithm
- ❖ Integrates type-ahead searching by passing search params through fetch, allowing the Rails controller to return the proper collection

2048: RGB Edition (JavaScript, jQuery) | [live](#) | [github](#)

Browser game

- ❖ Traverses the board in the opposite direction of the selected movement and recursively looks for another tile to merge with or an obstacle to stop
- ❖ Locates tiles with jQuery selectors and removes/applies proper classes, creating smooth visual transitions

ActiveRecord Lite (Ruby) | [github](#)

An ODM inspired by the functionality of ActiveRecord

- ❖ Interacts with the database to perform CRUD operations using SQL objects
- ❖ Creates belongs_to, has_many, and has_one_through associations using SQL database queries

SKILLS

Languages: Javascript, CSS, HTML, Ruby

Frameworks : Ruby on Rails, Bootstrap, Backbone.js, Rspec, AJAX, JQuery

Databases & Platforms: PostgreSQL, SQLite, Github, Heroku

Operating Systems: Ubuntu Linux, Mac OSX

EDUCATION

Web Development - App Academy (June 2015 - Sept 2015)

12-week immersive, full-time web-development program

- ❖ Emphasis on building full-stack web applications using Ruby on Rails, Javascript, and Backbone through proper coding styles and best practices
- ❖ Extremely selective program, less than 5% acceptance rate

B.S. Bioengineering

UC San Diego (2010 - 2014), GPA 3.65

- ❖ Coursework in Numerical Analysis, Linear Algebra
- ❖ Created a novel rehabilitation device for patients with shoulder injuries, analyzing the lateral displacement of the arm during exercise using motion capture and GraphPad Prism 4 for statistical analysis

EXPERIENCE

R&D and Product Development Summer Intern - Hayward, CA (2011 - 2012)

- ❖ Accelerated timeframe for 2 generic drug projects by 10 weeks
- ❖ Counseled supervisors with changes necessary to improve manufacturability while maintaining similar dissolution profiles