Darren Tan

4814 Gertrude Dr. • Fremont, California • 94536
CELL (510) 504 - 8955 • E-MAIL darrengtan@gmail.com

PORTFOLIO darrentan.xyz GITHUB darrengtan
LINKEDIN linkedin.com/in/darrengtan

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
- ❖ Applies a CompositeView class to properly remove nested views, preventing zombie view creation

2048: RGB Edition *(JavaScript, jQuery)* | **live** | **github**
An object-oriented rendition of the game 2048 using JavaScript, jQuery, and HTML/CSS
- ❖ Locates tiles with jQuery selectors and removes/applies proper classes, creating smooth CSS transitions
- ❖ Applies delays and queues to prevent diagonal movement from quick inputs while maintaining proper tile deletion in both the back end board and HTML

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 includes Numerical Analysis and 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 in formulation methods necessary to improve manufacturability while maintaining similar dissolution profiles