

DARREN TAN

SOFTWARE ENGINEER

RECENT PROJECTS

TournaGen - Full Stack Engineer

www.tournagen.xyz/

Web application for users to manage their own tournaments

- Dynamically creates properly-sized brackets using a jQuery plugin
- Generates matchups with a branching algorithm in the Rails model
- Integrates type-ahead searching by passing search params through fetch, allowing the Rails controller to return the proper collection
- Extends Backbone View properties to prevent zombie view creation

2048: RGB Edition - Front End Engineer

www.darrentan.xyz/2048-RGB-Edition/

An object-oriented rendition of the game 2048

- Assigns JavaScript tile objects to appropriate DOM elements, thereby accurately representing the current board state
- Locates tiles with jQuery selectors and removes/applies proper classes, creating smooth CSS transitions
- Employs JavaScript interface logic for improved user experience

ActiveAssociations - Back End Engineer

github.com/darrengtan/ActiveRecordLite

An ORM inspired by the functionality of ActiveRecord

- Interacts with DB to perform CRUD operations using SQL objects
- Applies Ruby heredocs to mix SQL code into the SQLObject class
- Creates belongs_to and has_many associations using SQL queries

EMPLOYMENT

Impax Laboratories

Hayward, CA

R&D and Product Development Summer Intern · 2011 to 2012

- Accelerated time frame of 2 generic drug projects by 10 weeks
- Counseled supervisors with changes in formulation methods necessary to improve manufacturability and dissolution profiles

Stanford Blood Center

Palo Alto, CA

Cellular Immunity Laboratory Intern · 2013 to 2013

- Researched regulatory T cells and DCs along with methods to prevent suppression of the immune system
- Identified relevant cell populations using flow cytometry, Western Blotting, fluorescence, and cell cultures

CONTACT

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SKILLS

Ruby
JavaScript
Ruby on Rails
Backbone.js
RSpec
jQuery
Github
AJAX
HTML5
CSS
Heroku
Canvas
PostgresQL
SQLite
Bootstrap
Ubuntu Linux
Mac OSX

EDUCATION

UC San Diego

B.S. Bioengineering 2014

3.65 GPA

PERSONAL

VA Innovation
Creation Series 2015

Placed 5th out of 48 applicants in challenge to design a device that will reduce tremors in patients