Michael Li

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Projects

Tongqu (React.js, Flux.js, Rails)   Live | GitHub
Single-page social webapp in Chinese, inspired by meetup.com
- ➤ Unidirectional data flow using Stores, FluxEmitter, and React component backed with Rails API
- ➤ Uses pagination for upcoming local events, aws s3 to store images, and model associations via Rails' polymorphic associations

Huddleup.site (Backbone.js, Rails)   Live | GitHub
Single-page webapp for an imaginary world where pets wants to hang out
- ➤ Pets are able to search for their favorite things to do as well as rate other pets on their profile page
- ➤ Custom authentication using Bcrypt to store secret hash without setting User#password

Thunderbird.js (Javascript)   Live | GitHub
2D browser shooter game with four different stages of enemies of increasing difficulty
- ➤ All ships and bullets inherit from a single class, keeping code DRY
- ➤ Animations are customized and rendered by Canvas and highest score is kept in browser's *localStorage*

Chess.rb (Ruby)   GitHub
Command prompt Chess game that can be played against another human or computer AI player
- ➤ Individual chess pieces inherits from either *Sliding Piece* or *Stepping Piece,* which inherits from *Piece* class
- ➤ AI player will always look to capture your piece before making a move

Skills

Ruby · Ruby on Rails · React.js · Flux.js · JavaScript · Backbone.js · jQuery · AJAX

Python · MySQL· git · TDD · Agile Development · HTML · SASS/CSS · AWS · Photoshop

Experience

Full Stack Software Engineer · Guardant Health Inc. · Redwood City, CA   Oct 2014 - Now
- ➤ Working collaboratively with another Engineer to release Patient Portal MVP, as well as refactoring Physician Portal
- ➤ Reengineered backend logic and cleaned up N+1 query code to reduce app page load time by 66%
- ➤ Practiced Agile development guidelines, tracked performances of the team via Pivotal Tracker, monitored app performance via Heap/New Relic, and learned to work with AWS elastic beanstalks
- ➤ Exercised test-driven development for a 87% code coverage and introduced ajax requests for better app perceived and actual performance

Clinical Manufacturing Associate · StemCells Inc. · Sunnyvale, CA.   Sep 2014 - Jun 2015
- ➤ Built an excel application to monitor and control material inventory to prevent Stem cell harvest and reseed delays
- ➤ Increased stock reagent production to reduce total manufacturing labor cost by 15%
- ➤ Investigated and implemented guidelines for stem cell culture harvest deviations and MoxiFlow malfunction.
- ➤ Led a collaborated effort on building a CRF backup system, preventing millions in lost revenue

Team Leader · Patient Service at Kaiser Hospital · San Jose, CA.   May 2013 - Sep 2014
- ➤ Promoted to shift leader position and managed 20 hospital volunteers for good work after two months
- ➤ Responsible for coordinating and assigning patient care duties, and training new volunteers
- ➤ Voted volunteer of the month three times (of a group of 400 volunteers)

Quality Control · Elim Biopharmaceuticals, Inc. · Hayward, CA.   Jun 2011 - Feb 2013
- ➤ Promoted to Quality Control from lab technician, liaisoned between customers, executives, and sequencing lab manager to ensure client satisfaction and guided the sequencing department workflow aside from basic QC duties.

- ➢ Designed and launched primer-walking service with limited resources, which brought in new customers with expected $72k annual revenue.

Education

App Academy, San Francisco, CA   Jun 2015 - Sep 2015
Full-stack web development course, 3% acceptance rate

University of California, Berkeley   Sep 2006 - Jun 2010
BA Integrative Biology

http://cyspath.github.io/   https://github.com/cyspath   www.linkedin.com/in/mikezli