Michael Ruan Software Developer

Github   Linkedin   Website

michaelruan1@gmail.com   347.701.7472   Brooklyn, NY

Projects

Korra | Fullstack   Live   Github

A question and answer website inspired by Quora. Built on Ruby on Rails and React with Redux
- ➢ Utilized ActiveRecord and Database Indexing to efficiently generate topics for user's questions
- ➢ Designed complex JSON to allow seamless data fetching
- ➢ Employed multiple responsive UI features following Redux Cycle

Slime Air Hockey | JavaScript Game   Link   Github

Interactive browser air hockey game built using JavaScript and Canvas
- ➢ Composed of multiple computer AI
- ➢ Implemented a responsive UI menu using DOM

Tracks | Ruby Framework   Github

View and Controller Server Framework inspired by Ruby on Rails
- ➢ Used Rack middleware to permit access to the server
- ➢ Created routers that parse URL to start appropriate controllers

Skills

Ruby Rails RSpec JavaScript jQuery React Redux SQL Git HTML5 Canvas CSS3 Python2.7

Education

App Academy New York, NY   2018
- ➢ Rigorous 1000 hour software development course with <3% acceptance rate
- ➢ Emphasis on algorithms, TDD, pair-programming, effective design

Stony Brook University [M.S] in Neuroscience   2015-2017
- ➢ Course Highlight: Introduction to Computational Neuroscience
- ➢ Thesis: Transcranial Direct Current Stimulation (tDCS) in Post-Stroke Working Memory Deficits
- ➢ GPA: 3.78

Boston University [B.A] in Neuroscience   2010-2014
- ➢ Course Highlight: Introduction to Brain Models, Introduction to Computer Science I
- ➢ GPA: 3.79

Experience

Stony Brook University Hospital   2015-2017

Study Coordinator at Psychology/Neurology Department
- ➢ Conducted and assisted in creating digital neuropsychological tests for potential solutions to memory problems