Michael Ruan Software Developer

Github   Linkedin   Website

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Projects

Korra | Full Stack   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 multiple computer AI and a Machine-Learned 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
- ➤ generated 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