Kabir Nigam

SOFTWARE DEVELOPER

SKILLS

RUBY ON RAILS
JAVASCRIPT
REACT.JS
FLUX
HTML
CSS
PYTHON
MACHINE LEARNING
SQL
GIT
RSPEC
JQUERY

LINKS

LinkedIn

GitHub

Personal Site

CONTACT

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PROJECTS

Journal Club || FULL-STACK (Ruby on Rails, React, Flux) **Live || GitHub**
A site allowing for the creation and sharing of article annotations

- Incorporates jQuery DOM manipulation and document event listeners to dynamically change the HTML of the site as the user annotates
- Makes asynchronous requests to a PostgreSQL database using AJAX to update components in real time
- Uses ActiveRecord associations to store relational data in a PostgreSQL database and custom queries to efficiently fetch relative information

The Note Matrix || FRONT-END (JS, CSS, HTML, jQuery, React) **Live || GitHub**
A music production interface allowing users to create simple beats

- Simulates continuous playback using JavaScript setInterval events to synchronously play multiple audio files hosted on AWS
- Allows for full customization by the user through event handlers bound to note-specific callbacks

CSS Deconstructed || FRONT-END (JS, CSS, HTML, jQuery) **Live || GitHub**
A Chrome Extension allowing for the deconstruction and rebuilding of site elements

- Parses user input and executes a content script that utilizes jQuery to strip the CSS of a specified element
- Sets up nested interval timing events to re-apply CSS rules one at a time

EDUCATION

App Academy **May 2016 - Aug 2016**
1000-hour full-stack web development course with a <3% acceptance rate

VCU School of Medicine **July 2015 - Nov 2015**
M.D./Ph.D. program

Imperial College London **Oct 2014 - Jul 2015**
Master of Research, Experimental Neuroscience

UCLA **Sep 2009 - Jun 2013**
Bachelor of Science, Neuroscience with GPA of 3.6

EXPERIENCE

Compass Education Group **Nov 2015 - Mar 2016**
Taught STEM subjects to high school students employing socratic teaching methodologies to facilitate critical thinking and student involvement

UCSF Sandler Neurosciences Center **Sep 2013 - May 2014**
Discovered an inverse correlation between the receptor density for the orexin peptide and the rate of compulsive alcohol consumption using qPCR to quantify levels of receptor DNA in rats