Jiwoo Park (Jay)

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PROJECTS

My Stock Tool   Live • GitHub
– Full-stack finance web application to buy-sell and track stocks with real time stock prices
- Leveraged **ChartJS** to create an interactive data visualization experience of historical stock prices
- Reduced API-dependent load time from an average of 22.18 sec to 3.7 sec by merging data points from two open source API's
- Normalized **Redux** state shape by giving each type of data its own 'slice' of state thereby reducing complexity and duplication of information
- Integrated **Alpha Vantage**'s and **Intrinio**'s Financial Data **API** to retrieve real time price data

OneTable   Live • GitHub
– An OpenTable clone built with **Rails** & **React/Redux**
- Designed **Rails** backend auth system by hashing user password using **BCrypt** gem
- Structured **Redux** cycle to send **API** requests while user browses through pages without refreshing
- Implemented **Google Maps API** to locate user and find, visualize location of nearby restaurants
- Fully integrated and efficiently managed data storage structure using **PostgreSQL**

OnionUp   Live • GitHub
– Web service that pings and visualizes statistical graphs of onion services that are accessible through the Tor anonymity network
- Created backend logic to calculate response time and HTTP load time of each web servers
- Setup multi-threaded rails jobs to ping onion sites in the queue using **SideKiq** with **Redis**
- Used **D3** library to build live graphs by inserting data received from **API** request from **Redis**
- Fully developed frontend components with **Vue** and **Vuex** for state management
- Created total state management by implementing cooperative relationship with **ActiveRecord**

ClappyBird   Live • GitHub
– A pure **JavaScript** game that user controls a bird by clapping or key press, attempting to fly between columns of green pipes without hitting them.
- Implemented **Web Audio API** for sound generation and processing
- Created graphic and interactive experiences using **p5.js**
- Engineered with **Webpack** to bundle and serve up the various scripts

EXPERIENCE

- Freelance Web Developer   2017 – Now
• Consult with clients for designing, coding and modifying websites, from layout   to function and according to a client's specifications. Strive to create visually appealing sites that feature user-friendly design and clear navigation.

- Best America Service (Solution Consultant)   2014 – 2017

- Woods Bagot (IT Coordinator / Network Architech)   2013 – 2014
• Maintain and administer computer **networks** and related environments including systems software
• Provide technical support to IT requests from users for all PC hardware, software, and Network

TECH SKILLS

JavaScript

JQuery

React / Redux

Vue / Vuex

Webpack

Ruby on Rails

RSpec

HTML5

CSS3

PostgreSQL

Git

Heroku

AWS

LINUX / UNIX

IT - Network

OTHER SKILLS

Fluency in Korean

Networking

Communication

Critical Thinking

EDUCATION

App Academy, San Francisco
Full-stack Web Dev.
Jan 2018

San Francisco State University (B.A.),
Broadcast & Electronic Comm. Arts,
Jun 2012