

Kevin Chou

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Skills React.js, Redux, JavaScript, HTML5, CSS3, Ruby, Rails, MongoDB, PostgreSQL, AWS, Heroku, Webpack, jQuery, github

App Academy Projects

[Multi-Go](#) - JavaScript, MongoDB, Express.js, React / Redux, Node.js, Axios, HTML5, CSS3, Canvas, WebSockets, Heroku

Created a game server to play variations of the classical board game Go

- Created game settings with variable number of players, board sizes, point systems and grid layouts via Canvas
- Utilized data structures to validate legal moves and created a recursive search algorithm to identify groups of stones
- Synchronized lobby page, chat messaging and move coordination via websocket communication and Axios requests
- Coordinated stored data in user browser and Axios requests for smooth user experience when changing views
- Created a single player game with a basic place-stone algorithm for the computer to demonstrate how to play go

[3d-Minesweeper](#) - JavaScript, ThreeJS, ThreeJSx, Canvas, HTML, CSS

Created a variant of the classic game of Minesweeper

- Uniformed identifying and defining neighbors for all points with wrapper-null arrays around the game grid arrays
- Utilized a graph data structure and recursive search algorithm to identify adjacent vacant cubes
- Integrated ThreeJS libraries to apply custom event handlers with raycasting to interface cubes
- Applied first-person controls to allow user navigation through the 3d scene

[Want.com](#) - JavaScript, PostgreSQL, Ruby / Rails, React / Redux, Ajax, HTML5, CSS3, Webpack, Heroku

Cloned the style and functionality of the e-commerce website Wish.com

- Implemented infinite-scroll to streamline data requests and transfer from server for smoother user experience
- Coded index, show and shopping cart views with CRUD actions and REST-ful routes
- Dynamically displayed information from the database using React components

Contract Projects

Macros, Web-Scrapers, & Market Making - Procedural Programming, Visual Basic

- (Wish) Scraped data from DPD International Tracking Service by creating an instance of Internet Explorer
- (DealMoon) Scraped data from e-commerce websites FarFetch, Net-a-Porter, and Essence using XML HTTP requests
- (Market Making) Made trade decisions on options and delta hedged with Black-Scholes theory by creating subroutines to screen and scrape over 400 stocks and options from Yahoo and Google websites
- (APC) Programmed a subroutine to automatically updates the master inventory spreadsheet with daily orders
- (APC) Programmed an algorithm that generates unique security numbers for new products

Experience

Actuarial Consulting: Senior Analyst | 2016 - 2019

Nicolay Consulting Group | San Francisco, CA | 2018 - 2019

Willis Towers Watson | Dallas, TX | 2016 - 2018

- Wrote Fortran scripts and VB.net subroutines to automate data and liability calculations
- Converted client retirement data processes from spreadsheets to techstack VBA/ADODB/Access
- Valued liabilities for qualified and nonqualified retirement plans (pension & retiree medical) valued up to billions of dollars
- Trained analysts on actuarial concepts, technical skills, programming concepts, accounting standards, & funding legislation
- Recognized by peers by vote for individual contributions in 2017

English Teacher | 2013 - 2015

New Oriental Education | Sichuan, China

Chengdu Sports University | Sichuan, China

Financial Advisor | 2011 - 2013

AXA Advisors | Los Angeles, CA

Education

App Academy | 2019 | San Francisco, CA

University of Southern California | Bachelors of Economics | 2007 - 2011 | Los Angeles, CA