Kevin Chou | Full-Stack Developer

t: 650.455.9288 | e: this.kevinchou@gmail.com | a: San Francisco, California | Website Portfolio

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

Work Experience
Actuarial Programmer / Senior Analyst | 2016 - 2019 | Visual Basic, Fortran, SQL, SQlite3, MS Access, ORM, TDD
Nicolay Consulting Group | San Francisco, CA | 2018 - 2019
Willis Towers Watson | Dallas, TX | 2016 - 2018
- Revamp/Maintain client codebases & databases to improve reliability, maintainability and scalability of system
  - Code subroutines to handle data, calculate liabilities and produce financial reports
  - Design and implement processes to import/export, test/validate and apply assumptions to data
  - Review code for accuracy, readability and time-efficiency
  - Convert valuation programming from legacy systems to new software systems & spreadsheet data/functions to backend/database technologies
- Develop in strict ACID & Transactional environment due to analytical & calculative nature of actuarial science
- Perform annual retirement valuations in accordance with ERISA, FASB, GASB, IAS
  - Analyze results via data reconciliation, data testing/validation and gain/loss analysis
  - Develop and analyze results of forecasting projects, experience studies and special accounting events
- Train analysts on actuarial concepts, technical & programming skills, accounting standards & IRS legislation
- Recognized by peers by vote for individual contributions in 2017

English Teacher & College Admissions Prep Instructor | 2013 - 2015 | New Oriental Education | Sichuan, China
English Teacher | 2013 - 2015 | Chengdu Sports University | Sichuan, China
Financial Advisor | 2011 - 2013 | AXA Advisors | Los Angeles, CA

Web Development Projects
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 fetch products from server to mimic index page
- Added features for adding reviews, editing items to shopping cart and searching products by name and theme

3d-Minesweeper - JavaScript, ThreeJS, ThreeJSx, Canvas, HTML, CSS
- 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 cube objects
- Applied first-person controls to allow user navigation through the 3d environment

Multi-Go - JavaScript, MongoDB, Express.js, React / Redux, Node.js, HTML5, CSS3, Canvas, WebSockets, Heroku
- Created a game server to play variations of the classical board game Go; Custom game settings include variable number of players, board sizes and grid layouts
- Synchronized lobby page, chat messaging and move coordination via websocket and Axios requests

Freelance Programming Projects
Web-Scraping, Macros and Market Making | 2015 - 2019 | Visual Basic, XML
- (Wish) Coded macro to scrape data for 200+ packages daily from DPD International Tracking Service
- (DealMoon) Coded macro to scrape data from sites FarFetch, Net-a-Porter & Essence via 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 data from Yahoo and Google sites
- (APC) Coded subroutine to automatically update the master inventory spreadsheet from daily orders

Education
University of Southern California | Bachelor of Arts in Economics | 2007 - 2011 | Los Angeles, CA