David Chen

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Portfolio
GitHub
LinkedIn

TECHNICAL SKILLS
Languages
JavaScript (ES6) • Ruby

Front-End
React • Redux • Flux
Architecture • JSX •
jQuery • HTML •
CSS/Sass

Back-End
PostgreSQL, SQLite3

Tools
Git • Webpack 2 • AWS
CLI • Babel • ESLint •
RSpec • TDD • VBA

EDUCATION
App Academy
Rigorous 1000-hour software
development course with
<3% acceptance rate
August 2017
New York, NY

Bentley University
Waltham, MA
Graduated 2012
Bachelor of Science in
Economics-Finance (3.7
GPA)

PROJECTS

SafeHavn *(Rails, PostgreSQL, React-Redux, AWS, HTML, CSS, Git)*   Live | GitHub

Single-page web app inspired by AirBnB developed with a focus on an interactive UX

- Leverage Google Map API by featuring real-time interactive filtering and search based on home attributes and geolocation
- Implement individual loading feedback using Redux state for multiple CRUD functionalities, which limits AJAX requests and improves performance
- Utilize secure user authentication by hashing and salting passwords with BCrypt
- Incorporate AWS S3 to improve scalability by storing images in the cloud
- Keeps code DRY with partials, reuse of Modal React component

Gentrifi *(JavaScript, HTML, CSS, Git)*   Live | GitHub

A data-visualization infographic that plots home sales and subway stations in Brooklyn to display the effect of subway proximity on real estate values

- Incorporate Google Map API to create geospatial data of Brooklyn neighborhoods, populate recent home sales and subway line markers
- Reconcile and clean data using Excel to maintain data quality

DOMTycoon *(JavaScript)*   Live | GitHub

A lightweight library built using vanilla JavaScript that replicates functionality of jQuery

- Engineer a lightweight library that abstracts native DOM API into JS objects, as well as implementing AJAX requests and event handling
- Design AJAX functions that returns Promise classes using XMLHttpRequest Web API to allow chainable function calls

EXPERIENCE

Equity Research Associate – Financial Institutions Group   Nov 2014 – Sept 2016

Macquarie Securities Group   *Denver, CO*

- Built dynamic and malleable Excel macros and automations, improving efficiencies in existing databases and financial models in order to support multiple senior analysts concurrently
- Generated long/short investment ideas for 20+ financial stocks and prepared cross-industry and industry specific collaborative research, quarterly industry updates, and initiation of coverage of stocks to provide timely investment ideas
- Mentored analysts in investing, financial analysis, and industry matters

Junior Equity Research Associate – Financials   Nov 2013 – Nov 2014

UBS Securities/Cognizant Technology Solutions   *New York, NY*

- Generated long/short investment ideas for 30+ US/Canadian financial stocks by building and maintaining financial models for company and sector coverage
- Created and maintain data quality for various Bloomberg and Excel databases

Public Finance Analyst   Sept 2012 – Nov 2013

Hawkins Delafield & Wood LLP   *New York, NY*

- Prepared opinions and calculations of municipal bonds by gathering data, calculating the yield, analyzing exemptions, writing the opinion, and computing arbitrage liability under 60 day time constraints involving multiple bond issues