

# 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*

- Leveraged Google Map API by featuring real-time interactive filtering and search based on home attributes and geolocation
- Implemented individual loading feedback using Redux state for multiple CRUD functionalities, limiting AJAX requests and improving performance
- Utilized secure user authentication, hashing and salting passwords with BCrypt
- Incorporated AWS S3 to improve scalability by storing images in the cloud
- Kept code DRY with partials and reuse multiple React components

**Aequita** (JavaScript, HTML, CSS, Git) [Live](#) | [GitHub](#)

*Data-visualization infographic that plots actual home sales from Jan 2017 to May 2017*

- Incorporated Google Map API to create geospatial data of Brooklyn neighborhoods, populate recent home sales
- Reduced redundant fetching of data using memoization by storing data in state
- Optimized data fetches by adding 'bounding' boxes for each neighborhood

**DOMTycoon** (JavaScript) [Live](#) | [GitHub](#)

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

- Engineered a lightweight library that abstracts native DOM API into JS objects that assists in HTML document traversal and manipulation and event handling
- Created AJAX functions that returns Promise classes using XMLHttpRequest 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 VBA 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