

# 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)

[add live](#) [Live](#) | [GitHub](#)

*A web-app 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*

- Build dynamic and malleable Excel macros and automations, improving efficiencies in existing databases and financial models in order to support multiple senior analysts concurrently
- Generate long/short investment ideas for 20+ financial stocks and prepare cross-industry and industry specific collaborative research, quarterly industry updates, and initiation of coverage of stocks to provide timely investment ideas
- Mentor 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*

- Generate long/short investment ideas for 30+ US and Canadian financial stocks by building financial models for initiation of company and sector coverage
- Create and maintain data quality for various Bloomberg and Excel databases

**Public Finance Analyst**

Sept 2012 – Nov 2013

Hawkins Delafield & Wood LLP

*New York, NY*

- Prepare 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