# David Chen

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**Portfolio**
**GitHub**
**LinkedIn**

## TECHNICAL SKILLS

### Languages

JavaScript (ES5 & ES6) • Ruby • Python • SQL

### Front-End

React • Redux • jQuery • HTML • CSS/Sass

### Back-End

PostgreSQL • SQLite3 • Rails

### Tools

Git • Webpack 2 • AWS S3 • Babel • ESLint • RSpec • TDD • VBA • Google Analytics • Heroku • Google Map API • Bitbucket

## EDUCATION

### App Academy

Rigorous 1000-hour software development course with <3% acceptance rate
Graduated July 2017
New York, NY

### Bentley University

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

## EXPERIENCE

**Bootcamp Prep Instructor**                               July 2017 – Present

App Academy                                                          *New York, NY*

- Teach programming fundamentals up to intermediate level JavaScript

**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
- Spearheaded investment research report that garnered media attention about the effects of oil prices on the real estate economy in Texas (see link)
- Generated long/short investment ideas for 20+ financial stocks
- Mentored junior associates 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

## 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 core CRUD functionalities with conditional authentication privileges
- Incorporated AWS S3 to improve scalability by storing images in the cloud

**Aequita** *(JavaScript, HTML, CSS, Google Map API, 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 and 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, manipulation and event handling