David Chen

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[Portfolio](#)
[GitHub](#)
[LinkedIn](#)

TECHNICAL SKILLS

Languages

JavaScript (ES5 & ES6) • Ruby • Python 2 & 3 • SQL

Front-End

React.js • Redux • jQuery • HTML5 • CSS/Sass

Back-End

PostgreSQL • SQLite3 • Ruby on Rails

Tools

Git • Webpack • 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
New York, NY
Graduated July 2017

Bentley University

BS in Economics-Finance
3.7 GPA
Waltham, MA
Graduated May 2012

CERTIFICATIONS

FINRA Series 7, 63, 86, 87

PROJECTS

SafeHavn *(Ruby on Rails, PostgreSQL, React/Redux, 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
- Incorporated AWS S3 to improve scalability by storing images in the cloud

Aequita *(JavaScript, Google Map API)*   [Live](#) | [GitHub](#)

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

- Reduced redundant fetching of data using memoization by storing data in state
- Optimized data fetches by adding 'bounding' boxes for each neighborhood

BestBuy Webscraper *(Python)*   [GitHub](#)

Scrapes data from bestbuy.com and do some light statistical and quantitative analysis

- Incorporated BeautifulSoup and numpy libraries to automatically scrape DOM elements, extract relevant information, and perform statistical data analysis

RPG Game *(JavaScript)*   [GitHub](#)

Work-in-progress RPG game inspired by Dungeons & Dragons, Diablo, World of Warcraft

- Utilized object-oriented fundamentals and class inheritance to create characters, NPCs, spells, and combat abilities

EXPERIENCE

Bootcamp Prep Instructor @ App Academy   July 2017 – Present

- Provide a strong programming foundation for students to gain acceptance into the most selective coding bootcamps
- Teach programming fundamentals up to intermediate level JavaScript
- Provide one-on-one code reviews to students

Equity Research Associate @ Macquarie   Nov 2014 – Sept 2016

- 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
- Spearheaded investment research report that garnered media attention about the effects of oil prices on the real estate economy in Texas (see [link](#))
- Mentored juniors in investing, financial analysis, and industry-specific concepts

Junior Equity Research Associate @ UBS   Nov 2013 – Nov 2014

- 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 @ Hawkins Delafield & Wood LLP   Sept 2012 – Nov 2013

- 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