David Chen

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Portfolio
GitHub
LinkedIn

TECHNICAL SKILLS

Languages

JavaScript • Ruby •
Python • 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

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 UI/UX

- Leveraged Google Map API by featuring real-time interactive filtering and search based on home attributes and geolocation
- Implemented an intuitive user booking/management and user review system with robust backend validations
- 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 in Brooklyn, New York

- Incorporated Google Map API to create geospatial data of Brooklyn neighborhoods and populate recent home sales
- Optimized data fetches by incorporating 'minimum bounding' boxes for each neighborhood
- Reduced redundant fetching of data utilizing memoization

BestBuy Webscraper *(Python)*   GitHub

Scrapes DOM elements from bestbuy.com and performs statistical/quantitative analysis

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

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 by teaching programming fundamentals up to intermediate level JavaScript
- Evaluate one-on-one code reviews to students

Equity Research Associate @ Macquarie Capital   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 Investment Bank   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