Rick Yuan, CFA, FRM

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https://www.rickyuan.com/ • https://www.linkedin.com/in/rick-yuan/ • https://github.com/ricksyuan/

Skills

JavaScript, React, Redux, Ruby on Rails, SQL, HTML, CSS, iOS, Swift, Python, C++, Git, TDD

Programming Projects

Heap Overflow Live · GitHub

Q&A community for developers, inspired by Stack Overflow

- Leveraged Ruby on Rails polymorphic associations and concerns to implement advanced site features
- Used Redux to elegantly handle deeply nested React components
- Implemented counter caches to avoid burdensome computation on large datasets
- Styled site using HTML, CSS, and SASS without frameworks

BikeDock Live · GitHub

Dock-to-Dock directions for bike share

- Successfully launched iOS app on Apple App Store with over 3,000 downloads and active user base
- Self-taught Swift, Xcode Auto Layout, and App Store mechanics to deploy app
- Designed algorithm to select best available docks based off user start and end locations

D3construct Live · GitHub

Visual deconstructions of data and algorithms

- Developed fully interactive D3 scatter plot allowing users to modify data points and navigate the graph
- Separated linear regression into component calculations to allow intuitive visualization

Read Zhongwen Live · GitHub

Improve Mandarin reading skills

- Deployed website on AWS Elastic Beanstalk
- Designed algorithm to segment text into phrases to increase relevance of dictionary definitions
- Increased lookup performance by 90% through caching and SQL tree-based index

Work Experience

Training The Street, Inc. New York, NY

Instructor July 2012 – December 2018

- Expertly communicated financial valuation concepts to 11,000 students over 220 live programs
- Took initiative to develop new class that increased positive feedback by nearly 15%
- Won all-expenses paid trip to Hawaii given to top 5% of instructors annually

Bank of America Corporation New York, NY

Senior Analyst June 2010 – June 2012

- Analyzed quantitative strategies to reduce portfolio risk for over 100 mid & large cap clients
- Reduced calculation time for option-pricing models 70% by using processor multi-threading in Excel
- Used VBA to efficiently tabulate data for survey of over 200 firms

Education

The University of Chicago Chicago, IL

B.S. Mathematics September 2004 – June 2008

App Academy New York, NY

Rigorous coding bootcamp with <3% admission rate Nov 2018 – Feb 2019