RICK YUAN

SOFTWARE ENGINEER

PROFILE

rick-yuan

ricksyuan

CONTACT

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SKILLS

React
Redux
Ruby
Ruby-on-Rails
RSpec
JavaScript
jQuery
SQL
Git
HTML5
CSS3

EDUCATION

App Academy
Rigorous 1,000-hour software development course with <3% admission rate

The University of Chicago
B.S. Math / B.A. Economics
GPA: 3.5/4.0
Dean's List 2004-2008
Varsity Swim Team
National Merit Scholar

CERTIFICATIONS

Chartered Financial Analyst

Projects

Heap Overflow (React, Redux, Ruby on Rails, Jest, RSpec)
Live · Github *Ask and answer questions, inspired by Stack Overflow*
- Leveraged Rails polymorphic associations and concerns to vote and comment on question and answers for DRY code
- Constructed highly efficient search feature to filter by tags or phrases using Active Record queries to allow for easier discovery of relevant questions using eager-loading to eliminate n+1 queries
- Achieved 95% test coverage using Jest and RSpec for front-end and back-end tests (Goal)

D3construct (Vanilla JavaScript, D3)
Live · Github *Deconstruct complex algorithms using D3*
- Fully interactive correlation analysis with covariance visualization
- Solve maze using spanning tree algorithms (Goal)

ActiveRecord Lite (ActiveRecord, Rails)
Github *Object Relational Mapping, modeled after ActiveRecord*
- Leveraged Rails polymorphic associations and concerns to vote and comment on question and answers for DRY code (UPDATE)
- Efficiently query database using joins to eliminate n + 1 queries

Work Experience

Training The Street — New York, NY
Associate Instructor — *2012 – 2018*
- Led classes on financial modeling, corporate valuation, and data analysis at investment banks, private equity firms, hedge funds, corporations, and academic institutions
- Trained over 11,000 working professionals and students in over 220 programs
- Built and analyzed operating, discounted cash flow, mergers & acquisitions, and leveraged buyout models for dozens of companies

Bank of America Merrill Lynch — New York, NY
Senior Analyst — *2010 – 2012*
- Advised over 100 clients on foreign currency and interest rate risk management using derivatives
- Organized, facilitated, and spoke in workshops designed to educate clients on markets, derivatives, and hedge practices with average of 50 clients in attendance

Officer, Quantitative Management Associate Program — *2008 – 2010*
- Used MATLAB to programmatically generate consumer credit health scores by core-based statistical areas
- Used SAS/SQL to fully automate production of risk reports, reducing 100-hour manual process to 1 hour