

MICHAEL TU

SOFTWARE ENGINEER

CONTACT

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I am a Software Engineer with a prior professional background in hedge fund platform within wealth management. When I'm not writing code, I enjoy playing ultimate and backcountry snowboarding out west.

SKILLS

LANGUAGES

- JavaScript
- Ruby
- SQL
- CSS3
- HTML5
- VBA

DATABASE

- PostgreSQL
- SQLite3
- Firebase DB

TECHNOLOGIES

- Rails
- React.js
- Redux.js
- jQuery
- DOM
- AWS
- Heroku
- Git

EDUCATION

RUTGERS BUSINESS SCHOOL

SEPT. 2009 TO MAY 2013

B.S. Finance 2013

Undergraduate GPA: 3.52 | Undergraduate Major GPA: 3.62

APP ACADEMY

DEC. 2018 TO MAR. 2019

1000+ hour full-stack web development intensive with less than 3% acceptance rate

EMPLOYMENT

BANK OF AMERICA MERRILL LYNCH

MAR. 2016 TO OCT. 2018

ASSISTANT VICE PRESIDENT - HEDGE FUND PLATFORM MANAGEMENT

NEW YORK, NEW YORK

- Structured, launched, and managed alternative investment vehicles for the \$45 billion wealth management platform
- Streamlined the operations between the fund's administrator and Merrill's internal technology, business development, and investor relation teams to successfully launch and maintain hedge funds on the platform
- Automated and integrated the transfer of funds between accounts by eliminating the processes required by four teams
- Integrated over 4,500 clients' 1099 and K-1 tax documents through an existing advisor portal, reducing the number of advisor inquiries by 95%

PRUDENTIAL FINANCIAL INC.

OCT. 2013 TO FEB. 2016

SENIOR ALTERNATIVE PRODUCTS ASSOCIATE

NEWARK, NEW JERSEY

- Monitored the performance of several \$300 - \$750 million CLOs under management
- Converted a trustee performance spreadsheet tracker into an access database with scalable reporting tools for users
- Calculated payments to investors by utilizing the waterfall model to ensure accurate quarterly distributions
- Analyzed the performance of several US/European CLOs and its effect on interest coverage, overcollateralization, and concentration limitations to manage risk
- Assisted in ongoing systems testing to ensure current and newly issued funds adhere to indenture specifications

PROJECTS

GETSTARTED

JAN. 2019 TO CURRENT

GetStarted is a single-page app inspired by Kickstarter [Rails, PostgreSQL, React/Redux]

- Built the user authentication platform to ensure security of credentials using BCrypt hashing
- Integrated Amazon Web Services S3 (AWS) for image storage in order to allow for clients upload their own project images
- Reduced load time by eliminating n+1 database queries using Active Record relational mapping by Rails

ZIG ZAG

JAN. 2019 TO JAN. 2019

Zig Zag is a simple yet addictive arcade game [JavaScript, Canvas, Firebase DB]

- Demonstrated the ability to experiment with canvas and launch an addictive game within a week
- Utilized webpack to bundle JavaScript files and Firebase DB to track high scores