

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 ES5/ES6
- Ruby
- SQL
- CSS3
- HTML5
- VBA

DATABASE

- PostgreSQL
- SQLite3
- Firebase DB

TECHNOLOGIES

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

PROJECTS

GETSTARTED

JAN. 2019 TO CURRENT

GetStarted is a single-page web 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 to allow users to upload their own project images
- Reduced load time by eliminating n+1 database queries with Rails Active Record relational mapping
- Implemented a search feature by fetching only what's needed from the database for quick project lookup

ZIG ZAG

JAN. 2019 TO JAN. 2019

Control an orb ball along the Zig Zag path and don't hit the wall! [JavaScript, Canvas, Firebase DB]

- Demonstrated the ability to experiment with Canvas in order to launch the game within a week
- Utilized webpack to bundle JavaScript files and Firebase DB to track high scores

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

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