

MARK MILLER

WEB DEVELOPER

Summary

I am an analytical and creative quantitative finance graduate turned full stack developer who enjoys building meaningful, well-designed products. As a leader, I always keep the big picture in mind to deliver innovative and well-tested products. I thrive while working within an agile team where I am being pushed to my limits and face the constant challenge of learning and implementing new technologies.

Projects

[FitFriender](#)

FitFriender is an app that connects users with their ideal workout partner based on workout activities (ie lifting, cycling, tennis) location, and gender preference. Users swipe through potential matches. If both users 'like' each other they are able to converse via a message terminal to setup a workout.

- Managed team as Project Leader using Git and Slack.io
- Built efficient and maintainable infrastructure using Rails
- Constructed matching algorithm to connect most probable users with each other
- Designed intuitive and responsive UI with Foundation, CSS, and JavaScript
- Ensured code was well-tested using Rspec and CircleCI

[Shaq Overflow](#)

Built a clone of the popular website 'Stack Overflow', but with a [Shaquille O'Neal](#) theme. Registered users are able to submit programming questions, answer other users questions, and vote on the relevance of every question and answer.

- Used Rails and ActiveRecord to design and implement a compact database schema
- Used TDD to build a clean and flexible final product
- Utilized jQuery, Ajax, and pure CSS to create the optimal and responsive user experience

Employment

Solution Street Software Engineer

Herdon, VA
Dec 2015 to Current

- Served as a consultant to a large local software company specializing in ERP and business management solutions
- Ported over an existing VB client & .NET project to a cloud & browser based ERP solution using canJS MVC framework (previously javascriptMVC) which relies heavily on jQuery, SASS, and callbacks
- Primarily worked on the architecture team where my tasks would range from reorganizing the file structure of the entire code base (over 5000 files) to building out a Kitchen Sink Application to serve as a guide for developers to build any component used in the application and test them
- Contributed to an application team to help build out an application from scratch, allowing users to run and track their various marketing attempts
- Presented an introduction to React Native Tech Talk to the entire company where I walked the audience through the history of React Native, showed them how to build their own React Native application, and demoed 3 React Native applications I prepared for the presentation

Holliday Fenoglio Fowler "HFF" Debt & Equity Summer Associate

Dallas, Texas
Jun 2014 to Aug 2014

- Performed market and financial analysis for commercial real estate properties in the following sectors: multifamily, industrial, office, senior housing, and retail
- Built investor packages including underwriting memorandums, market analysis, rent rolls, and executive summaries
- Examined legal documents in due diligence process to construct and revise rent rolls, rollover schedules, and financials

Kerburn Rose Investment Banking Summer Analyst, M&A Advisory

New York, New York
Jun 2013 to Aug 2013

- Analyzed and valued companies using precedent transactions, company comparables, and discounted cash flow analyses
- Worked on a M&A buy-side acquisition for a Fortune 500 paint company valued at over \$5.5 bn
- Built financial model projecting company's income statement, cash flow statement and balance sheet, as well as the supporting depreciation, debt, and working capital schedules

Philips Realty Capital Summer Analyst

Bethesda, Maryland
May 2013 to Jun 2013

- Completed a dynamic underwriting and waterfall model for a multifamily housing complex in Northern Virginia. Waterfall model detailed payments to business and debt holder, incorporating five different hurdles and IRR analysis
- Analyzed refinancing options for an existing shopping megaplex tenant in response to departure of the anchor tenant

Madison Investment Fund Portfolio Manager, Technology Sector

Harrisonburg, Virginia
Oct 2012 to May 2015

- Portfolio Manager in a student-led investment fund responsible for managing a \$220,000 large-cap equity portfolio for the JMU Foundation's endowment, which had a 2013 unadjusted return of 28.3%
- Directed a team of 8 analysts in actively searching for new investment opportunities that met my macro-economic investing thesis and presented these new investment ideas to the management team and the fund

Contact

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Education

James Madison University
BS Quantitative Finance 2015
Minor: Mathematics & Economics

Dev Bootcamp 2015

Dev Bootcamp is a 21-week intensive program designed to train full-stack web developers from fundamentals to advanced topics. 12 weeks were spent doing part-time self study with guidance from an instructor, followed by an additional 12 weeks of full time learning on-site in NYC.

Skills

LANGUAGES

Ruby
Javascript
HTML / CSS
TypeScript

FRAMEWORKS

React.js
React Native
Ruby on Rails
canJS

TOOLS

Git
VIM
Heroku
Active Record
TFS

TESTING

Rspec
CircleCi
Jasmine
Mocha
Chai

INTERESTS

NBA Basketball
Paleo Cooking
Weight Lifting
Value Investing
Entrepreneurship
Real Estate