

# MICHAEL YOON

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**SKILLS** Ruby, Rails, Javascript, jQuery, D3.js, HTML5, CSS3, GitHub, SQL, VBA, PostgreSQL, AJAX, TDD

## PROJECTS

**PETSY**(Rails, ReactJS, Redux, Ruby, Javascript, JQuery, AWS, SQL)

[Live](#) | [Github](#)

*A full-stack e-commerce web application to buy/sell pet products, inspired by Etsy.*

- Implemented core CRUD functionalities to easily allow users to create/manage product listings and shopping cart
- Engineered a user-friendly restful API backend to efficiently serve up data to the front-end components
- Reduced local server load by implementing AWS S3 file uploads and streamlining database queries

**DRAFTMAP** (Javascript, D3.js, JQuery, HTML, CSS)

[Live](#) | [Github](#)

*A visualization of NBA first round draft data from 2010-2018*

- Cross-referenced parsed data from the NBA Stats and Google Places APIs to obtain drafted players' geocoded location data, and plotted the resultant information on a 3D rendered globe
- Implemented modals to allow users to easily toggle the displaying of graphical data of non-US draft locations
- Incorporated filters to efficiently sort/select nodes to allow analysis of year-by-year or aggregate draft data

## EXPERIENCE

**Professional Poker Player (2016 - 2018)**

*Self employed*

- Began with an initial investment of \$100 and generated over \$100,000 in earnings within two years
- Innovated general and specific strategies to optimally solve for various scenarios and playstyles
- Analyzed hand histories for strategic vulnerabilities, and engineered solutions to optimally exploit them

**Manulife Insurance (2015 - 2016)**

*Research Assistant*

- Analyzed various investment vehicles and developed ad hoc reports based on fund prospectus information
- Assisted in the regular inspection of client portfolios, verifying accuracy of internal records and performing account reconciliation where necessary
- Conducted quantitative and qualitative due diligence on existing and prospective investments
- Attended team meetings and conferences with senior associates to explore merits and risks of different investment vehicles and strategies

## EDUCATION

**App Academy - Web Development (Winter 2019)**

- 1000+ hour full-stack web development program with < 3% acceptance rate

**McMaster University - Mathematics and Statistics (2013)**

## COURSES AND CERTIFICATIONS

**Macros and VBA Excel**

- Learned various VBA techniques in Microsoft Excel (macros, objects, boxes, userforms, loops, and functions)

**Probability and Games of Chance**

- conditional expectation, discrete martingales, Markov chains, game theory, house advantage, gambler's ruin

**Statistical Methods and Applications**

- Sampling distributions, confidence intervals, hypothesis testing, power, linear regression