

# Bryan Yan

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## SKILLS

Java, Python, Flask, Tornado,  
Ruby on Rails, C, HTML/CSS,  
Javascript/jQuery, Git, MongoDB

English, Mandarin, French

## COURSEWORK

Fundamentals of Programming  
Principles of Imperative Computation  
Principles of Software Construction  
Introduction to iOS Development  
Statistical Reasoning and Practice  
Introduction to Probability Theory

Spring 2016:  
Introduction to Machine Learning  
Advanced Mobile Robot Dev  
Introduction to Math Software  
Statistical Graphics and Visualization  
Introduction to Statistical Inference

## EDUCATION

### Carnegie Mellon University

B.S Statistics and Machine Learning  
Minor in Software Engineering  
Expected Graduation Date: December 2017

## EXPERIENCE

### CMU Social and Decision Sciences Research Assistant - Web Developer

Pittsburgh, PA -- October 2015 - December 2015

Using the Amazon Mechanical Turk API, developed HITs by displaying an image and textbox, capturing every keystroke with a timestamp. Used Python, HTML, and Javascript.

### ScottyLabs Core Tech Member

CMU Student Organization -- Fall 2015 - Present

- Help coordinate and mentor TartanHacks, CMU's largest hackathon.
- Speak at tech talks and workshops on campus, including talks on Flask.
- Built CMUCourses using Tornado to demonstrate usages of the ScottyLabs Course API.

## PROJECTS

### Let's Raise the Stakes - Fall 2015 — In Progress

[www.github.com/bryanyan/fightmescrub](http://www.github.com/bryanyan/fightmescrub)

- Web application allowing the user to create bets on different personal matches for the game League of Legends.
- Built on node.js utilizing the Venmo API and League of Legends API.

### Riot API-tems - Summer 2015

[www.github.com/bryanyan/APIItemChanges](http://www.github.com/bryanyan/APIItemChanges)  
<https://riotapitem.herokuapp.com/>

- Web application created for Riot's API Challenge 2.0
- Provides pre item change and post item change statistics for every champion.
- Worked on views using HTML/CSS and wrote Python scripts to utilize Riot's API, to parse through JSON files, and to keep track of and write pertinent data into separate JSON files.

### FitLog - Summer/Winter 2016

[www.github.com/bryanyan/fitpts](http://www.github.com/bryanyan/fitpts)

- Web application built on Rails to log physical activity on a calendar.
- Originally built using Flask to log physical activity and keep track of points while providing a weekly and overall leaderboard. Moved to Rails in Winter 2016.

## HONORS AND AWARDS

### PNC Center for Financial Services Innovation - 3rd Place

Pittsburgh, PA - November 2014

Proposed "PNC Buzz", an application that would aggregate transaction data for real time trending information in a hyper-local context.

### DECA International Conference - Creative Marketing Project 2nd Place

Atlanta, GA - May 2014

Tailored "reddit" website to a larger viewer base by promoting educational aspects of the site and by revamping their advertisement system.