

# Bryan Yan

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## Education

### Carnegie Mellon University

B.S. IN STATISTICS AND MACHINE LEARNING, MINOR IN SOFTWARE ENGINEERING

- Expected Graduation: December 2017

Pittsburgh, PA

Aug. 2014 - PRESENT

## Experience

### Center for Machine Learning and Health

RESEARCH ASSISTANT - FRONT END SOFTWARE ENGINEERING INTERN

- Working on parsing data produced by Genamap to render a matrix view and dendrograph mapping gene markers and traits with zoom in/out capabilities.
- Shows a gradient according to correlation values, and hovering over data points shows trait/gene marker names and correlation values.
- Used HTML, CSS, Javascript/jQuery, and d3.js

Pittsburgh, PA

Jan. 2016 - Present

### Carnegie Mellon Social and Decision Sciences Department

RESEARCH ASSISTANT - WEB DEVELOPER AND PROGRAMMER

- 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.

Pittsburgh, PA

Oct. 2015 - Dec. 2015

### ScottyLabs

CORE TECH MEMBER

- 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 CourseAPI

Pittsburgh, PA

Sept. 2015 - Present

## Select Projects

### Riot API-tems

WWW.GITHUB.COM/BRYANYAN/APIITEMCHANGES

- 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 nvd3.js, and wrote Python scripts to utilize Riot's API, to parse through JSON files, and to write pertinent data into separate JSON files.

<https://riotapitemts.herokuapp.com/>

Summer 2015

### Clarifai Champions Projects

HTTPS://GITHUB.COM/BRYANYAN/CLARIFAI-CHAMPS

- Developer Evangelist Program run by Clarifai, a deep learning image recognition company in NYC.
- Built various tech and writing projects using Rails, Flask, and the Clarifai API.

Spring 2016

### Let's Raise the Stakes

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.

Spring 2016 - In Progress

## Skills and Relevant Coursework

### RELEVANT COURSEWORK

- 36-226** Introduction to Statistical Inference
- 15-122** Principles of Imperative Computation
- 15-214** Principles of Software Construction
- 10-601** Introduction to Machine Learning
- 16-865** Advanced Mobile Robot Development

### SKILLS

- Languages** Python, Java, C, HTML/CSS, Javascript/jQuery
- Tech** Flask, Tornado, Rails, node.js, d3.js, git
- Spoken** English, Mandarin, French