

# Bryan Yan

41049 Cornac Terrace, Fremont CA 94539

☎ (510) 676-5325 | ✉ bryanyan@andrew.cmu.edu | 🏠 bryanyan.github.io | 📷 bryanyan | 🌐 bryanyan96

## Education

### Carnegie Mellon University

Pittsburgh, PA

EXPECTED GRADUATION: MAY 2018

Aug. 2014 - PRESENT

### B.S Statistics and Machine Learning, Minor Software Engineering

## Experience

### Roku

Los Gatos, CA

SOFTWARE ENGINEERING INTERN

May. 2016 - August. 2016

- Created Deployboard app on AWS EB with GUI and backend cron Lambda jobs to automate deployment of software and applications to production with proper ECNs.
- Migrated the phpBB forums and legacy apps from Rackspace to an RDS datastore and EC2 server on AWS.
- Wrote product crawlers using AWS Lambda, CloudWatch, S3, and the Baazarvoice API to scrape AJAX sites.
- Worked with MySQL, node.js, React.js, and AWS.

### Center for Machine Learning and Health

Pittsburgh, PA

RESEARCH ASSISTANT - FRONT END SOFTWARE ENGINEERING INTERN

Jan. 2016 - May. 2016

- Mapped gene markers and traits produced by GenAmap and ML algorithms to render a matrix view with various features.
- Used HTML, CSS, Javascript/jQuery, D3.js. and React.js

### Carnegie Mellon Google Lunar X-Prize Team

Pittsburgh, PA

SOFTWARE DEVELOPER

Jan. 2016 - May. 2016

- CMU Google Lunar X-Prize Team sending rover to the moon
- Worked on pathfinding algorithms as well as the UI for SCOT-T using various Javascript libraries.

### Carnegie Mellon Social and Decision Sciences Department

Pittsburgh, PA

RESEARCH ASSISTANT - WEB DEVELOPER AND PROGRAMMER

Oct. 2015 - Dec. 2015

- Developed various HITs using the Amazon MechTurk API, HTML, Python, and Javascript.

### ScottyLabs

Pittsburgh, PA

CORE TECH MEMBER

Sept. 2015 - Present

- Help coordinate and mentor TartanHacks, CMU's largest hackathon.
- Speak at workshops and build demos for ScottyLabs APIs, including talks and applications on Flask and Tornado.

## Select Projects

### VidSmash - a16z Battle of the Hacks 3.0

[HTTPS://GITHUB.COM/BRYANYAN/VIDSMASH](https://github.com/BRYANYAN/VIDSMASH)

Summer 2016

- Given text or a song name, stitches together YouTube clips to generate video of people speaking the text.
- Built using node.js, Google Video endpoint, ChartLyrics API, Natural Language Processing, and 3rd-order Markov chains.

### Clarifai Champions Developer Evangelist Projects

[HTTPS://GITHUB.COM/BRYANYAN/CLARIFAI-CHAMPS](https://github.com/BRYANYAN/CLARIFAI-CHAMPS)

Spring 2016

- Developer Evangelist Program run by Clarifai, a deep learning image recognition company in NYC.
- Built various tech demos, gave tech talks, and created writing projects using Rails, Flask, the Clarifai API, and D3.js.

### LazyList

[HTTPS://GITHUB.COM/ZHANG-CHRIS/SOUNDCLOUD-CLASSIFIER](https://github.com/ZHANG-CHRIS/SOUNDCLOUD-CLASSIFIER)

Summer 2016 - In Progress

- Web application that classifies a set of songs and sorts them by genres into new playlists.
- Using Django, ML classification algorithms, and SoundCloud API

See <https://github.com/bryanyan> for more!

## Skills and Select Coursework

**10-601** Introduction to Machine Learning  
**36-350** Statistical Computing  
**15-381** Artificial Intelligence: Problem Solving  
**15-213** Introduction to Computer Systems

**Languages** Python, Java, C, HTML/CSS, Javascript/jQuery, R, SQL, MATLAB, Maple  
**Tech** Flask, Django, Ruby on Rails, node.js, D3.js, React.js, git,  $\LaTeX$