

Bryan Yan

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Education

Carnegie Mellon University

EXPECTED GRADUATION: MAY 2018

B.S Statistics and Machine Learning, Minor Software Engineering

Pittsburgh, PA

Aug. 2014 - PRESENT

Experience

Roku

SOFTWARE ENGINEERING INTERN

Los Gatos, CA

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 node.js, React.js, and AWS.

Center for Machine Learning and Health

RESEARCH ASSISTANT - FRONT END SOFTWARE ENGINEERING INTERN

Pittsburgh, PA

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

SOFTWARE DEVELOPER

Pittsburgh, PA

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

RESEARCH ASSISTANT - WEB DEVELOPER AND PROGRAMMER

Pittsburgh, PA

Oct. 2015 - Dec. 2015

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

ScottyLabs

CORE TECH MEMBER

Pittsburgh, PA

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
15-351 Algorithms and Advanced Data Structures
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