Jonathan Yang

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Work Experience

Google (Ads)   *Mountain View, California*
Software Engineer   *July 2019 – Present*

- Launched quarterly improvements to our auction models, leading to gains in revenue by over 50%.
- Launched the first Creative Quality model, increasing the amount of premium ads on the Discover Feed
- Solved issues revolving around noisy/lack of data, by leveraging transfer learning from other data sources
- Tech lead for multi junior engineers on multi quarter projects.
- Led improvements in the shallow/deep conversion and generalizability modeling space.

Applied Research LLC   *Rockville, Maryland*
Undergraduate Deep Learning Research Intern   *May 2018 – August 2018*

- Trained models so that they can track objects for several types of cameras with corrupted images obtained from the video, achieved >95% accuracy on some cases
- Investigated ways to improve models by adding new features to the video frames achieving higher performance
- Wrote scripts to test the training data to make sure they are formatted correctly
- Created and tested methods to compare 2 images of different date, but same geographic location, to identify if one is covered in snow, cloud or smog

Soccer Skybox   *College Park, Maryland*
Machine Learning Intern   *May 2018 – August 2018*

- Created a model that recommends clubs, camps, and training providers to users by matching user based on their preferences, characteristics, and reviews
- Designed a model that ranks teams based on their performances against other teams over the past few years
- Using the model, it also will predict which team will win based on factors like ranking, home field advantage and previous scores, achieved >70% accuracy

Education

University of Maryland, College Park   August 2015 - May 2019

Bachelor of Science, Computer Science
Bachelor of Science, Mathematics
Minor: Education, Human Development

Achievements

Competetive Gaming (League of Legends)

- I was top 10 in the United States for 2 yrs (2015-2016) in a row and top 100 for 4 yrs (2015-2019).
- I have traveled to Korea to play, and have reached top 300.

Projects

Ballon Racer   July 2022 - Now

- Multi-player ballon popping racing game

Auto Pets   June 2022 - July 2022

- Spawns farm animals that would walk around the screen dropping items
- Added support for Facebook and Google Sign in to app
- Integrated with Google Firebase

2048 - Circle/Squares   June 2022

- A twist on the classic 2048 game but with 2 shapes
- There is a toggle for what shape would be the one to move