Adit Deshpande

UCLA ACM AI President · Lead Resident Assistant · Technical Blogger · Kaggle Competitor · O'Reilly Author

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Education

UCLA (University of California, Los Angeles)

Los Angeles, CA

B.S. in Computer Science, Graduation Date: 2019, GPA= 3.43

Sept. 2015 - PRESENT

- Frameworks/Libraries Used: Tensorflow, Numpy, Pandas, Scikit Learn, Matplotlib
- Languages: Python, C++, C, Matlab

Experience

Clarifai

New York, NY

Applied Machine Learning Intern

June 2018 - Aug. 2018

- Created internal tools to check the accuracy of image labeling from human workforce services.
- Built evaluation scripts to assess and visualize performance of Clarifai's base image recognition models.
- Created demo webpages to showcase Clarifai's detection models during internal meetings.

Qualcomm

San Diego, CA

Software Engineering Intern

June 2017 - Aug. 2017

- Worked on the core Android platform team to test over-the-air (OTA) upgrades on several Qualcomm powered Android devices.
- Performed fail-safe testing to ensure proper functionality during OTA updates and bootup.

U.S Naval Research Laboratory

Washington D.C

Computer Engineer Intern

June 2016 - Sept. 2016

- Developed object localization algorithms through convolutional neural networks for deployment on IBM's TrueNorth neuromorphic chip and for use on an underwater robotics program.
- Implemented a selective search and sliding window based approach to localization.
- Trained a CNN to place bounding boxes over objects of interest with a classification accuracy of 92.86%.

Projects

Conversational Chatbot

Written in Python

June 2017 - August 2017

- Trained a sequence to sequence deep learning model on my social media conversation logs to create a chatbot that talks like me.
- Deployed the trained model to a server using the Flask framework and hosted using Heroku.

NCAA Basketball Machine Learning Model

Written in Python

February 2017 - April 2017

- Trained a machine learning model to output the win probability of two basketball teams, given information about relevant statistics for the specific year.
- Predicted the winners of past games with a 76.37% accuracy using gradient boosted regression trees.

Communication

Technical Blog

https://adeshpande3.github.io/

July 2016 - Present

- Wrote several deep learning tutorials on topics such as convolutional neural networks, reinforcement learning, and natural language processing.
- Received over 250,000 website users and over one million page views.

Author

O'Reilly Media

January 2017 - Present

- Published a video tutorial on using Tensorflow to apply deep learning to the task of sentiment analysis.
- Co-authored an article on creating generative adversarial networks with Tensorflow.