Yifu Wang

https://www.linkedin.com/in/yifuwang
yifuwang92@gmail.com | 626.226.6282

EDUCATION

CARNEGIE MELLON UNIV
MS in Computer Science
June 2016 | Pittsburgh, PA

DALIAN UNIV OF TECH
BS in Computer Science
June 2014 | Dalian, China

LINKS

Github:// **https://github.com/wangyifu**
LinkedIn:// **yifuwang**

COURSEWORK

GRADUATE
Search Engine
Cloud Computing
Machine Learning
Advanced Data Structure and Algorithms
Convolutional Neural Networks for Visual Recognition
(Teaching Assistant)
Data Structures for Application Programmers
JAVA for Application Programmers

UNDERGRADUATE
Operating System
Compiler Techniques
Database Systems
Computer Network
Computer Architecture
Data Structure and Algorithms

SKILLS

PROGRAMMING
Python • Java • C++

LIBRARIES & PLATFORMS
• Pytorch • OpenCV • Xgboost • gtest

EVERYDAY USING
ElasticSearch • Docker • AWS • Splunk

EXPERIENCE

ADOBE SYSTEMS | Member of Technical Staff
July 2016 – Now | San Jose, CA

Content Analyzer Service
Docker, Flask, Spring, protobuf, json-schema
- Worked as Main developer of Content Analyzer Service, a RESTful microservice framework for deep learning analyzer. The goal is to let research scientists onboard their model in a day.
- It supports most popular deep learning frameworks in C++, Python and Java. It supports CPU-bound and IO-bound mode.
- Deployed on production environment with 3k RPM for each region.

Car Brand Search
Pytorch, transfer learning
- Trained a deep learning model for car brand search
- Using exacted feature from ResNet and VGGNet as input, built a two layer FC network. Achieves 95% accuracy.
- Proved this approach can easily apply to other categories.

Salability Analyzer
ElasticSearch, Xgboost
- Fetched 500k image data from inner ElasticSearch service
- Using image feature, aesthetic data, visual similarity feature, tagging similarity feature to predict future sales in 6 month.

QUIXEY, INC | Software Engineer Intern
May 2015 – August 2015 | Mountain View, CA

Chinese Query Tokenizer
- Implemented Chinese query tokenizer based on dictionary and statistical language model. Developed RESTful web service.
- 40% faster and 1.6% DCG score gain in performance test.
- Pushed to production in Quixey app search and auto suggestion.

VMWARE, INC | Software Engineer Intern
August 2013 – February 2014 | Beijing, China

QE dashboard
- Developed QE dashboard based on LAMP stack for visualizing QE progress, submit QE report, generate chart in excel and PDF format.

PERSONAL PROJECT

CORNELL ROBOT LEARNING LAB | Head Undergrad Research
Jan 2014 – Present | Ithaca, NY
Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.