

Chang(Andy) WEI

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EDUCATION

Cornell University

August 2017 – May 2019

M.S. in Information Systems, Connective Media

New York, NY

- Selective Courses: Applied Machine Learning, Networked and Distributed Systems, Computer Vision, Natural Language Processing

Beijing University of Posts and Telecommunications

September 2013 – June 2017

B.Eng. in Software Engineering

Beijing, China

Major GPA: 88/100 (Rank: 8/125);

- Selective Courses: Algorithms and Data Structures, Object-Oriented Analysis and Design, Computer Networks, Principles of Database Systems, Principles of Operating Systems

WORK EXPERIENCE

Yelp

June 2018 – August 2018

Backend Software Engineer Intern

San Francisco, CA

- Worked in Yelp's transaction team, improved monitoring of services maintained by the team.
- Published metrics to SignalFX for real-time monitoring and alerting, the Data Warehouse for offline analysis.
- Implemented Service Level Objectives for Yelp's transactional services.

Beijing Genedock Technology

December 2016 – April 2017

Software Engineer Intern

Beijing, China

- Implemented the account management APIs of the website built with Python Flask Framework
- Containerized the service using docker and deployed it in Aliyun Cloud
- Used python nose test framework to perform unit test of the developed modules

Software Development Center of Bank of China

July 2014 – September 2014

Software Quality Assurance Intern

Beijing, China

- Outlined system test cases by reviewing the functional requirement analysis of ATM Controller System development
- Set up test environment on the ATM machine, finished more than 400 test cases, documented test results in test reports

PROJECTS

Scene Photo Semantic Segmentation

March 2017 – June 2017

Graduate Project of BUPT

Beijing, China

- Developed a website that performs pixel-wise classification, detecting objects within a scene photo and generating labels
- Revised Fully Convolutional Network for better classification and detection, tested the model in ADE-20K data-set, improved Pixel Accuracy from 64% to 70% and Label Accuracy from 72% to 82%

Plant Recognition System

July 2016 – September 2016

Integrated Vision and Intelligent Perception Laboratory, Tsinghua University

Beijing, China

- Developed a website (in Struts/Spring/Hibernate Framework) which automatically identifies the plant that users upload, lists useful information about the plant
- Applied transfer learning mechanism, used 30,000 pictures to retrain the top layer of Google Inception v3 Convolutional Neural Network in Google tensorflow framework for the identification of the 50 plants
- Tested the model with 10,000 pictures of Plant Photo Bank of China, the top-5 error rate was 4.3%

College Recommendation System for High School Graduates

September 2014 – May 2015

Laboratory Project

Beijing, China

- Led 4 team members to realize the idea of recommending suitable colleges for high school graduates based on their preferences and their National Higher Education Entrance Examination scores
- Implemented a crawler (in python) to obtain admission information of 125 Chinese colleges, collected more than 300,000 entries of data, removed irrelevant and redundant entries
- Visualized basic information about colleges by using JavaScript, displayed data in Radar Chart and Bar Chart

ADDITIONAL INFORMATION

- Skills: Python, JavaScript, HTML, CSS, Java, C/C++, SQL
- Interests: Swimming, Soccer, Cycling, Travelling, Guitar, Cooking