

Chang(Andy) WEI

cw829@cornell.edu | +1 (607) 262-6123

EDUCATION

Cornell Tech

M.S. in Information Systems, Connective Media

August 2017 – Present

New York, NY

Beijing University of Posts and Telecommunications

September 2013 – June 2017

B.Eng. in Software Engineering

Beijing, China

Cumulative GPA: 85/100 (Rank: 16/125); Sophomore year GPA: 88.13/100; Junior year GPA: 89.52/100

Awards:

- 2014, 2016 The 3rd Prize of Scholarship of Academic Excellence, awarded by BUPT
- 2015 The 2nd Prize of Scholarship of Academic Excellence, awarded by BUPT
- 2015 Merit Student, awarded by BUPT
- 2015 The 3rd Prize of Chinese Students Service Outsourcing Innovation & Entrepreneurship Competition
- 2015 The 1st Prize of China Undergraduate Mathematical Contest in Modeling

WORK EXPERIENCE

Beijing Genedock Technology

December 2016 – April 2017

Software Engineer Intern

Beijing, China

- Learned Docker to containerize applications and services, wrote Dockerfile to build Docker images; Learned basic operations in MongoDB; Deployed the system on Aliyun Cloud
- Took charge of the account management module of the system; Familiarized with Python Flask Web Framework, modified codes to enable admin users to add backup emails and normal user to modify their emails
- 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

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) to automatically identify the plant that users upload, listed 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%

LifeWiki – An Augmented Reality Android App

May 2015 – August 2015

Project of 6th Chinese Students Service Outsourcing Innovation & Entrepreneurship Competition

Wuxi, China

- Developed an android app which could identify the edge of the object, display the corresponding information stored in the database within the area when a pre-uploaded image was scanned and recognized, won the national 3rd Prize
- Utilized the OpenCV library functions to detect the boundary of objects in an image
- Took charge of implementing the image upload module and video play module of the app
- Presented the project in front of 5 judges using English, fully interpreted the mechanism and the function of the project

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
- Set up online questionnaires to investigate factors that high school graduates valued when they chose colleges, collected more than 500 feedbacks, determined top 4 concerned factors as recommendation indexes
- Applied Analytical Hierarchy Process as recommendation algorithm which recommended colleges according to the degree of importance that the 4 factors would affect users choosing colleges
- Visualized basic information about colleges by using JavaScript, displayed data in Radar Chart and Bar Chart

EXTRACURRICULAR EXPERIENCE

Beijing Undergraduate Volunteer Service Association

September 2013 – May 2015

Volunteer

Beijing, China

- Provided interpretative services to visitors through guided tours in 2014 Beijing Technology and Science Week
- Joined in numerous activities held by the association including elderly care volunteering, voluntary teaching

ADDITIONAL INFORMATION

Skills:

- Programming Languages: C++, Java, Python, SQL, JavaScript
- Prototyping: HTML, CSS
- Frameworks and tools: Struts, Spring, Hibernate, Bootstrap, Git

Interests:

- swimming, soccer, cycling, travelling, guitar