

# Chang(Andy) WEI

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## ABOUT

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Student at Cornell Tech

Looking for an **internship** as **Software Development Engineer** starting in **2018 Summer**

## EDUCATION

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### Cornell Tech

**August 2017 – Present**

*M.S. in Information Systems, Connective Media*

*New York, NY*

- Selective Courses: Applied Machine Learning, Networked and Distributed Systems, Startup System Design and Engineering

### Beijing University of Posts and Telecommunications

**September 2013 – June 2017**

*B.Eng. in Software Engineering*

*Beijing, China*

Cumulative GPA: 86/100 (Rank: 16/125);

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

## WORK EXPERIENCE

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### Beijing Genedock Technology

**December 2016 – April 2017**

*Software Engineer Intern*

*Beijing, China*

- Implemented the account management APIs of the website built with 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

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### 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

## EXTRACURRICULAR EXPERIENCE

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### 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

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- Skills: C/C++, Java, Python, SQL, JavaScript, HTML, CSS
- Interests: swimming, soccer, cycling, travelling, guitar