

# Hongru (Carrey) Wang

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## EDUCATION

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### **Communication University of China (CUC)**

*Bachelor of Computer Science (Big Data Technology and Applications)*

*Beijing  
Jul 2019*

- GPA: 3.2 / 4.0
- Award: China National Radio Scholarship (2015-2016)
- Selected Coursework: Data Analysis(85/100), Data Visualization(90/100), Python Programming(82/100), Machine Learning(92/100), Operating System(91/100)

### **Nanyang Technological University**

*Summer School*

*Singapore  
Aug 2018*

- GPA: 3.5 / 5.0
- Selected Coursework: Entrepreneurship & Marketing for New Ventures

## PROFESSIONAL EXPERIENCE

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### **Qihoo 360 Technology Co., Ltd**

*Data Operation Intern of 360 Finance*

*Beijing  
Aug 2018 - Present*

- Performed competitor analysis, on-page, and off-page optimization for the improvement of the app performance, recorded investment and return, and changed operation strategies accordingly
- Evaluated risk assets and capital budget in a visual context, and presented the results to team members on a daily and monthly basis using interactive diagrams
- Led the planning, development, and implementation of marketing strategies under the guidance of group leader, analyzed results, and facilitated the sale of wealth management products

### **Shenzhen Frontsurf Information Technology Co., Ltd**

*Data Analysis Intern*

*Shenzhen  
Jul 2017-Sep 2017*

- Analyzed the mechanism of service process optimization, improved work efficiency through Qlik and Hadoop based on data provided by government, and put forward prioritization schemes
- Created a Python program to crawl the items of services, numerical code, and content of all the government issues, investigated anti-crawler strategies, and completed association analysis
- Enclosed all the reports in executable files through the language of R and HBase to avoid repetitive work, improving working efficiency of the team

### **Non-Governmental Organization-Shanshui Nature Conservation Center**

*E-commerce Operation Intern*

*Beijing  
Mar 2017 - Sep 2017*

- Used principal components analysis to reduce dimensionality of client data (area, gender, age, conversion rate and feedback), and wrote a report about target customers
- Recruited volunteers, participated in environment-protection activities for sample collection and investigation, and maintained partnerships with clients and volunteers
- Designed the home page of a platform and published articles to raise public awareness towards environment issues, achieving 50% increases in follower sales in a month

## RESEARCH EXPERIENCE

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### **Undergraduate Program for Entrepreneurship**

Beijing

Leader

Apr 2017 - Apr 2018

- Collected questionnaires and requirements to determine the core functionality of the program, designed the architecture of the product
- Designed the interaction logic and user interface, was responsible for work assignment and meeting arrangement, and addressed problems in data transmission
- Analyzed feedback from different groups of users, improved user experience by developing new versions of the platform and fixing bugs

### **Interdisciplinary/Mathematical Contest in Modeling of America**

Beijing

Leader

Jan 2018

- Applied raw data correction to establishing mathematical model with Python, and developed an analogue simulator for the usage of various energies
- Adapted the methods of machine learning according to actual situations, predicted the profile of energy usage for the next 15, 50, and 100 years, and proposed strategies for achieving sustainable development
- Finalized an academic paper to summarize the methodologies and key findings of the whole project

## LEADERSHIP EXPERIENCE

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### **ByteDance Technology Co., Ltd**

Beijing

Campus ambassador

Aug 2018-Present

- Coordinated activities between the company and the school, arranged the events schedule, and took responsibility for a number of participants
- Assisted in organizing info-session about the company, supervised online application process, and recruited over 300 students

### **Network and New Media Division, Communist Youth League, CUC**

Beijing

Deputy director

Sep 2015 - Mar 2018

- Provided technical support for CUC WeChat and Weibo official accounts, analyzed followers' data, and formed interactive monthly reports for content management
- Coordinated all departments of CUC Youth League, assisted all school organizations to recruit new students, and led a team with 20 volunteers in selecting qualified members from over 1,500 applicants
- Tracked and investigated trending topic on campus, updated the content of CUC official website, attracting the 2<sup>nd</sup> largest group of followers among all CUC WeChat accounts

## VOLUNTEER EXPERIENCE

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### **Shenzhen BigDataDigest Science and Technology Co., Ltd**

Beijing

Volunteer

Oct 2017 - Present

- Translated and proofread the latest domestic and international online academic videos, and followed the cutting-edge development tendency of science and technology through academic papers on topics such as capsule networks
- Attended top-level Big Data and Machine Learning forums such as the MIT Technology Review of 10 Breakthrough Technologies in 2018

## PUBLICATIONS & PATENTS

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- "Anti-Crawler Strategy and Distributed Crawler Based on Hadoop", the International Conference on Big Data Analysis, 2018 [Accepted and published, Paper ID: ICBDA2018-2012E]
- "Image Segmentation Algorithms Based on Convolutional Neural Networks", the International Conference on Computer and Information Science, 2018 [Accepted]
- "Research on Face Image Clustering Based on Integrating SOM and Spectral Clustering Algorithm", the International Conference on Machine Learning and Cybernetics, 2018 [Accepted, Paper ID:2008]
- A computer software copyright of "WeCampus WeChat mini-program" was awarded (2018SR562540)

## AWARDS & HONORS

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Third Prize of the Internet Plus College Students Innovation and Entrepreneurship Competition	<i>School</i>
Meritorious Winner, Mathematical Contest in Modeling (2018)	<i>International</i>
Successful Participant, Interdisciplinary Contest in Modeling (2017)	<i>International</i>

## TECHNICAL SKILLS AND INTERESTS

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Skills: Python, C, C++, R, PHP, Excel (PivotTables), HTML/CSS (Website Creation)

Languages: IELTS:6.5 (L:6.0 R:7.0 S:6.0 W:6.5); CET-6 (606)

Interests: Reading, Calligraphy, Traveling, and Photography