# Hongru(Carrey) Wang

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## EDUCATION

**Communication University of China(CUC)**                                    *Jul 2019*

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

- GPA: 3.27 / 4.0 Top 20%
- Honors: China National Radio Scholarship(2015-2016)
- Selected Coursework: Data Analysis, Data Visualization, Python Programming, Machine Learning, Software Engineering, Data Structure, Natural language processing

**The Chinese University of Hong Kong**                                        *Jul 2020*

*Master in Computer Science*                                                  *Hong Kong*

## PROFESSIONAL EXPERIENCE

**Beijing Dajia Hulian Information Technology Co., Ltd(KuaiShou)**            *Apr 2019 - Jul 2019*

*Reco/Data Intern*                                                            *Beijing*

- Music: Responsible for some data products such as KuaiTing music list, and use proto3 of grpc to build data interface, and optimize code logic according to interface access, and write a web which is used for music operation, saving time and communication cost for company
- Recommend: Optimize the recommendation logic of similar music page under the music tab, mainly using collaborative filtering and other base strategy; optimize the recommend video of the music, so that the latest video with higher quality can be better distributed, and communicate with the mmu department, so that the original sound music and the non-original music are mapped to each other, and the recommended range is expanded
- Analyse: Design AB test experiments according to different requirements, and add test indicators such as DAU, PV, UV by writing python program

**Qihoo 360 Technology Co., Ltd**                                            *Aug 2018 - Nov 2019*

*Data Operation Intern of , 360 Finance*                                     *Beijing*

- Performed competitor analysis, on-page, and off-page optimization for the app to improve performance, recorded investment and return, and changed operation strategies accordingly
- Assessed the valuation of risk assets and capital budget, placed it in a visual context, and presented and explained it to team daily and monthly
- 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**                       *Aug 2017 - Oct 2017*

*Data Analysis Intern*                                                       *Shenzhen*

- Analyzed how to optimize service processes and improve work efficiency through Qlick and Hadoop based on data provided by government, and put forward prioritization scheme
- Wrote a python program and crawled the items, numerical code and contents of all the government issues, investigated some 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

**Non-Governmental Organization-Shanshui Nature Conservation Center**        *Mar 2017 - Sep 2017*

*E-commerce Operation Intern*                                                *Beijing*

- Used principal components analysis to reduce dimensionality of clients' data including their distribution area, gender, age, conversion rate and feedback, wrote a report to target our customers
- Recruited volunteers and participated in activities of closing to nature for sample collection and investigation, enabled a good relationship between the company and its clients and volunteers
- Designed the home page of platform and wrote public articles to convey its ecological idea to the public, achieving 50%

increases of followers in 1 month

## RESEARCH EXPERIENCE

**Undergraduate Program for Entrepreneurship**                    *Apr 2017 - Apr 2018*
*Leader*                                                          *Beijing*

- Collected questionnaires and requirements to confirm the core function of the program, drew a prototype of the product
- Designed interaction logic and user interface, and responsible for the division of labor, meeting holding and problem solving, addressed some problems about data transmission
- Analyzed feedback from students, teachers and staff, improved functions of platform, and created new versions of the platform or bug fixes

**Interdisciplinary/Mathematical Contest In Modeling of America**        *Jan 2018*
*Leader*                                                          *Beijing*

- Applied raw data correction to establish mathematical model using MATLAB, and developed an analogue simulation to the existing energy using
- Adapted methods of machine learning to actual situations, predicted the profile of energy in the next 15, 50, and 100 years, and proposed sustainable development strategies
- Improved English writing skills and laid the foundation for future academic writing

## PUBLICATIONS & PATENTS

- *"Research on Face Image Clustering Based on Integrating SOM and Spectral Clustering Algorithm",* International Conference on Machine Learning and Cybernetics, 2018 [Accepted, Paper ID:2008]
- A software copyright of "*WeCampus WeChat mini-program*"(2018SR562540)

## LEADERSHIP EXPERIENCE

**ByteDance Technology Co., Ltd**                                  *Aug 2018 - Present*
*Campus ambassador*                                               *Beijing*

- Coordinated the company and the school, arranged the place and speech schedule, and took responsibility for number of participant
- Assisted in info-session, recruited over 300 student participants, and led the online application process

**Network and New Media Division, Communist Youth League, CUC**        *Sep 2015 - Mar 2018*
*Deputy director*                                                 *Beijing*

- Provided technical support for the WeChat official account, Weibo official account such as the statistics and analysis of the interactive data of our followers
- Coordinated the work of the various departments under the Youth League，assisted all colonel-level organizations to recruit new students, and led a team with 20 volunteers in recruiting qualified new members from over 1500 applications
- Tracked and investigated hot issues of our school and updated the contents of our website, made our WeChat official account 2nd most influential account according to number of followers

## VOLUNTEER EXPERIENCE

**Shenzhen BigDataDigest Science and Technology Co., Ltd**            *Oct 2017 - Present*
*Volunteer*                                                       *Beijing*

- Translated and proofread the latest domestic or international online academic videos, and followed the cutting-edge development tendency of science and technology through academic papers such as capsule network
- Attended top-level forums in the field of Big Data or ML such as MIT Technology Review 10 Breakthrough Technologies in 2018, and wrote relevant articles

## HONORS & AWARDS

- Third Prize of Internet + College Students Innovation and Entrepreneurship            *school*

Competition

- Meritorious Winner, Mathematical Contest In Modeling(2018) *international*
- Successful Participant, Interdisciplinary Contest In Modeling(2017) *international*

## TECHNICAL SKILLS AND INTERESTS

- **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