

Hongru(Carrey) Wang

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No.1, East Street, Dingfuzhuang, Chaoyang, Beijing

EDUCATION

Communication University of China(CUC)

Jul 2019

Bachelor of Computer Science(Big Data Technology and Applications)

Beijing

- GPA: 3.2 / 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

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)
- Successful Participant, Interdisciplinary Contest In Modeling(2017)

international

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