Yuyang He

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Summary:
- Enthusiastic about statistics
- Strong learning ability
- Adaptable and persistent
- Experience with living and working abroad
- Full of leadership and cooperation skills

Education

The Chinese University of Hong Kong, Shenzhen   *Bachelor of Science*   *09.2016-05.2020*
- **Major:** Statistical Science   **MGPA:** 3.922/4.0 (top 5%)
- **Honors:** Dean's List, Academic Scholarship and National Encouragement Scholarship in 2016-2018, Third Prize of the Chinese Mathematics Competitions in 2017, Campus Culture Development Award, University Ambassador Award
- **Core Courses:** Statistical Inference, Regression Analysis, Machine Learning, Stochastic Process

University of Oxford (Mansfield College)   *Visiting Program*   *09.2018-06.2019*
- **Subject:** Statistical Science
- **Core Courses:** Probability Networking (A-) (graduate course), Advanced Machine Learning (A) (graduate course), Bayes Method (A-) (graduate course), Game Theory (A-)

Chung-Ang University-Seoul, South Korea   *Summer Exchange*   *06.2019-07.2019*
- Core **Courses:** New Media and Society (**Score:** 97.29/100, **GPA:** 4.0/4.0)

Research Projects

Depicting the Bright Future of Cleaner, Renewable Energy Usage Project (MCM/ICM)   *02.2018*
- Extracted the energy portfolios of the states of California, Arizona, New Mexico, and Texas
- Analyzed the difference of the energy distributions between states by adjusted covariance
- Built linear and periodic models to predict the energy distributions in the next 50 years

Hand Gesture Recognition Via Classification Project   *12.2017*
- Applied the KNN method to the pruned data and gained above 95% accuracy
- Assigned probable labels by cluster methods, classified with decision trees, and gained around 80% accuracy
- Applied k-means methods but replacing the Euclidean distance by other types of distances, such as Chebyshev and Manhattan, and achieved 95% accuracy in test data sets although with high time complexity

Professional Experience

Everbright Securities-Shanghai, China   **Research Analyst**   *07.2019-08.2019*
- Analyzed the credit data of listed companies with Wind Financial Terminal
- Achieved business deals by drafting the customized bond PowerPoints
- Issued bonds by drafting contract manuscripts and bidding documents

Shenzhen Research Institute of Big Data, China   **Research Analyst**   *09.2017-12.2017*
- Visualized the relationship between the admission grades and GPAs with respect to geographical information
- Fitted the existing GPAs by linear regression models of the weighted admission variables
- Predicted prospective students' academic potential as an important reference in next year's enrollment

Leadership Experience

The Chinese University of Hong Kong, Shenzhen   **Student Assistant**   *10.2016-08.2018*
- Addressed 300+ students' stress by arranging large scale activities on campus, like the Spark Music Festival
- Reached 3000+ clicks on the university's WeChat platform by interviewing popular people in academia and arts
- Generated revenue for college by designing publicity posters and hoodies

Beautiful China Project   **Team Leader**   *02.2018-04.2018*
- Opened the first cooperative project with the Beautiful China company by arranging a one-month exhibition with a YU theme
- Attracted 100+ participants to the volunteer teaching program by delivering an introduction speech
- Raised more than 5000 RMB by hosting a nonprofit auction for children in the countryside

Volunteer Experience

Mo Yan, Yu Hua and Su Tong's British Cultural Exchange in the United Kingdom   *06.2019*
Led other volunteers to help arrange the activity and translated a speech delivered by Yu Hua

Support Education in Sri Lanka   *12.2017-01.2018*
Taught math to students ranging from primary to junior high school and gave a lesson "Learning How to Learn"

Skills

Computer Skills: Proficient in Python, R, LaTeX and MS Office; Exposure to C++, Java, Wind, MATLAB and Tableau
Languages: Chinese (Native); English (Fully English Taught)
Interest: Piano (Level six out of ten); Vocal Music (Level nine out of ten)