

# Yuyang He

Phone: (+86)137-3520-7529 | Email: [lanxirye@outlook.com](mailto:lanxirye@outlook.com)

## 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)