

ZIPINGXU

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zipingxu.github.io/about

EDUCATION

Peking University

Yuanpei College Major in Data Science

Beijing, China

09 2014 – 06 2018

- GPA: 3.66/4.00; admitted on basis of performance on national college admissions exam (12/527000)
- Selected awards: Lee Wai Wing Scholarship(top 5%), Merit Student, Second Prize for Jiangzehan Cup of Modeling Contest, Second Prize of ACM.

WORK AND RESEARCH EXPERIENCE

Peking University Guanghua School

Research Assistant to Professor Chen

Beijing, China

03 2016 – Present

- Statistical analysis, data crawling with Python, data cleaning with R, developing models, visualization with R.
- Air quality diagnosis: Non-parametric model for pollution data.
- High dimension testing for climate change: Testing climate change over 40 years within grid areas.
- “Air Pollution Assessment Report”: write the third part of the report and draw most figures in this report.

Beijing Institute of Technology, School of Management and Economics

Research Assistant to Professor Yang

Beijing, China

09 2016 – Present

- Stress and health scores calculation: Build Rasch model and detect differential item function.
- Build multi-level models to study the relationship between health scores and demographic variables.

Deep Asset

Quantitative Research

Beijing, China

08 2017 – Present

- Build and optimize trading and simulating system for stock market with python and C++
- Study the effects of machine learning algorithms on quantitative trade

PUBLICATIONS

[1] Xu, Z. P., Wu, X., & Chen, S. X. Climate Change and Impacts on Air Quality in North China (Working paper)

[2] Zhang, S., Guo, B., Dong, A., He, J., Xu, Z., & Chen, S. X. (2017, September). Cautionary tales on air-quality improvement in Beijing. In Proc. R. Soc. A (Vol. 473, No. 2205, p. 20170457). The Royal Society.

EXTRA-CURRICULAR ACTIVITIES

Soul National University, IEEE Pacific Visualization Symposium

Under supervision of Prof. Yuan

Soul, Korea

04 2017

- Storytelling Section: How wind affects air pollution in Beijing?
- Develop a visualization tool with unity3D to explore the interaction between air pollution and wind. Present the result by a video.

Peking University, Yuanpei College

Vice - Minister of Student Union of Yuanpei college

Beijing, China

09 2015 – 01 2016

- Propaganda, designing posters for lectures held by department. Train freshmen for Photoshop skills.
- Organized two lectures.

ADDITIONAL INFORMATION

- Interests: Passionate about machine learning and statistics. Interested in graphic design.
- Computer Skills: Skilled at Python, R and Matlab. Know about JavaScript for web development. Familiar with popular deep learning libraries such as Tensorflow and Keras. Skilled at data crawling by python. Also good at Photoshop and Office.
- Languages: Native Mandarin Chinese speaker. Fluent in English
- Selected Course:

• Advanced Mathematics (3.97/4)	Statistical Learning (3.98/4)
• Numerical Algebra (3.81/4)	Introduction to Data Science (3.73/4)
• Time Series Analysis (3.85/4)	Introduction to Computation (3.81/4)
• Practice of Programming in C++ (3.81/4)	Data Structure and Algorithm (3.95/4)
• Deep Learning: Algorithm and Application (3.77/4)	Network and Game Theory (3.98/4)
• Introduction to Parallel and Distributed Computing (3.85/4)	
- Other: TOEFL: 94/120; GRE: 322/340; IELTS: 7.5/9 Visualization (3.95/4)