

GUANGLING XU, MS

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SUMMARY

Fastidious first-year Biostatistics student with multiple Research Assistant experiences in Biology department. Skilled in managing large volumes of data using R, MS Excel, MS Word.

EDUCATION

COLUMBIA UNIVERSITY MAILMAN SCHOOL OF PUBLIC HEALTH, New York, NY
Master of Science, Biostatistics/Theory and Method Track, expected May 2021

- *Relevant Courses*: Data Science I, Biostatistical Methods, Probability, Principles of Epidemiology, Introduction to Public Health (Online)
- *Coursera*: SQL for Data Science, Getting started with SAS Programming

CHINA UNIVERSITY OF GEOSCIENCES(WUHAN), Hubei, China

Bachelor of Science, Biology Science, June 2019, GPA: 3.79/4.0

- National Scholarship Recipient; Dean's List Honoree [3rd Semester, 2016]
- *Relevant Courses*: R language and Biostatistics, C Programming, Bioinformatics
- *Coursera*: Basic Statistics, Inferential Statistics, Bayesian Statistics

EXPERIENCE

CHINA UNIVERSITY OF GEOSCIENCES(WUHAN) Hubei, China, 04/2018-05/2018
Research Assistant, Department of Biology

- Designed experiment outline and procedure which have not been successfully produced before. Explored experiment methods with a team of 4 people and succeeded after many efforts.
- Analyzed ginkgolide (A, B, C) and bilobalide (BB) data samples by conducting R and Excel which showed significant results and prominent correlation between leaf color and ginkgolide (A, B, C). Reported to professors of the department and certificated by Basic Scientific Research Project.

CHINA UNIVERSITY OF GEOSCIENCES(WUHAN) Hubei, China, 03/2017-01/2018
Research Coordinator, Department of Environmental Engineering

- Applied Biology knowledge into Environmental Engineering field and forecasting to break down and utilize information. Successfully conducted experiments to characterize physical and chemical properties of cyanobacteria and algal organic matter in different growth stages to provide references for water management and cyanobacteria production.
- Adhered to standards in all areas, including data collection, lab work, research protocols, data analysis, article writing and regulatory reporting to senior leadership team.
- Successfully published an **SCI** article while got an Excellent Certificate given by College Student Innovation and Entrepreneurship Fund Project.

PUBLICATION

Zhang, Weijun; Cao, Qingwei, **Xu, Guangling**; Wang, Dongsheng. Flocculation-dewatering Behavior of Microalgae at Different Growth Stages Under Inorganic Polymeric Flocculant Treatment: the Relationships Between Algal Organic Matters (AOM) and Floc Dewaterability [J]. ACS Sustainable Chemistry & Engineering, 2018, 6(8): 11087–11096.

SKILLS AND CERTIFICATE

Computer Skills: Strong knowledge of MS Office (Word, Excel, PowerPoint); and statistical applications, including SAS, R, SQL. Knowledge of Python, C language.

Language Skills: English and Chinese.

Certifications: HIPAA (patient privacy).

