Lyuou Zhang

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EDUCATION

Master of Public Health, Environmental Health Sciences   Expected 2019
Columbia University Mailman School of Public Health   New York, NY
    Certificate in Environmental Health Policy
      Relevant Coursework: frameworks of environmental health policy

Bachelor of Engineering   May 2017
Tsinghua University School of Environment   Beijing, China
    Certificate in Environmental Science and Engineering

EXPERIENCE

Research Assistant   June 2018 – Present
Mailman School of Public Health, Columbia University   New York, NY
- Conducted exploratory data analysis and data visualization in R and QGIS
- Built spatial regression models which explained the impact of fuel conversion policies on air pollution reduction
- Identified problems created effective solutions for datasets
- Collaborated with other students and faculty to complete the analysis
- Presented results and research progress during meetings

Research Assistant   Aug 2016 – May 2017
School of Environment, Tsinghua University   Beijing, China
- Established the Chinese Mercury Inventory in coal-fired power plants and industrial boilers
- Estimated avoided mercury emissions in three technology scenarios in 2020 and 2030
- Proposed mercury pollution control plans based on comparison of projected emissions
- Drafted policy memos on the implementation of the Convention for the Chinese Ministry of Environmental Protection

Water Program Intern   July 2016 – May 2017
World Resources Institute (WRI)   Beijing, China
- Conducted literature review on energy consumption in China and India for the larger scale implementation of the Waste-to-Energy project
- Drafted fact sheet on waste management and administration in India
- Designed a poster and created cartoons for the Waste-to-Energy project, which was the winner of "Best Content" of WRI Top Outcome
- Translated the working papers between English and Chinese for internal use

Fresh Water Department Intern   July 2016 – Nov 2016
The Nature Conservancy (TNC)   Beijing, China
- Compiled data on the social, environmental and economic risks of large hydropower projects in developing countries and presented the outcome in monthly meetings
- Prepared information for Chinese companies on the negative impacts of dam construction on environmental health to reduce their investment in dams
- Created social media content on floodplains, ecological flood control and healthy rivers

TECHNICAL SKILLS

Graphical Software: AutoCAD, QGIS, GeoDa
Statistical Software: SPSS, STATA, Python, R
Other Software: Microsoft Office Suite, Adobe Premiere, Photoshop, Lightroom