

JING JIANG

Phone: (587) 969-0409
jing007@mail.ubc.ca

3041- 2424 Main Mall
Vancouver, BC, Canada
V6T 1Z4

EDUCATION

Ph.D. Student	University of British Columbia , Forestry	09/2021- Present
MA	University of Calgary , Economics	09/2017 - 10/2019
Thesis: Employing machine learning models to classify households based on catastrophic health expenditure (CHE) presence or absence.		
MA	Boston University , Economics	09/2014 - 01/2016
BA	University of International Relations , International Economics	09/2010 - 06/2014

SELECTED PUBLICATIONS

Xu, W., **Jiang, J.**, Lin, H. Y., Chen, T. Y., Zhang, S., & Wang, T. (2023). Assessment of the impact of climate change on endangered conifer tree species by considering climate and soil dual suitability and interspecific competition. *Science of The Total Environment*, 877, 162722.

Wang, T., Xu, Q., Zhang, B., Gao, D., Zhang, Y., Ren, R., & **Jiang, J.** (2022). Effects of understory removal and thinning on water uptake patterns in *Pinus massoniana* Lamb. plantations: evidence from stable isotope analysis. *Forest Ecology and Management*, 503, 119755.

Zhang, Y., Zhang, B., Xu, Q., Gao, D., Xu, W., Ren, R., **Jiang, J.** & Wang, S. (2022). The effects of plant and soil characteristics on partitioning different rainfalls to soil in a subtropical Chinese fir forest ecosystem. *Forests*, 13(1), 123.

Zhang, B., Xu, Q., Gao, D., Wang, T., Sui, M., Huang, J., Gu, B., Liu, F., & **Jiang, J.** (2021). Soil capacity of intercepting different rainfalls across subtropical plantation: Distinct effects of plant and soil properties. *Science of The Total Environment*, 784, 147120.

Zhang, B., **Jiang, J.**, Xu, Q., Gao, D., Zuo, H., & Ren, R. (2021). Disentangling the Effects of Tree and Soil Properties on the Water Uptake of a Waterlogging Tolerant Tree in the Yangtze River Delta, China. *Forests*, 12(11), 1547.

Zhang, B., Xu, Q., Gao, D., Jiang, C., Liu, F., **Jiang, J.**, & Wang, T. (2020). Altered water uptake patterns of *Populus deltoides* in mixed riparian forest stands. *Science of the Total Environment*, 706, 135956.

Zhang, B., Xu, Q., Gao, D., Jiang, C., Liu, F., **Jiang, J.**, & Ma, Y. (2019). Higher soil capacity of intercepting heavy rainfall in mixed stands than in pure stands in riparian forests. *Science of The Total Environment*, 658, 1514-1522.

RELEVANT EXPERIENCE

University of Calgary, Calgary, AB, Canada 01/2019 - 09/2021

Data Analyst

Selected projects: Using Natural Language Processing tools to classify patients with or without overactive bladder; using factor analysis to validate Expanded Prostate Cancer Index Composite – 26; text scraping with JSON and XML data format

Calgary Data Science Academy, Calgary, AB, Canada 01/2019 - 09/2021

Voluntary Instructor

Topics covered: Decision trees, boosting and bagging, Random Forest, K-NN and logistic regressions, dependency parsing, data visualization

Marine Biological Lab, Woods Hole, MA, United States 06/2016 - 08/2016

Visiting Graduate Student, Advisor: Dr. Jim (Jianwu) Tang

- Conducted a scoping review to identify critical measurements for an economic evaluation
- Assisted in the measurement of greenhouse gas emissions from agro-ecosystems and wetlands

United Nations, New York Headquarters, NY, United States 02/2016 - 06/2016

Intern, Advisor: Dr. Hamid Rashid

- Analyzed panel macroeconomic data to monitor and forecast global economic events
- Developed figures for the UN flagship publication, *World Economic Situation and Prospects*

International Network for Bamboo and Rattan, Beijing, China 04/2014 - 08/2014

Visiting Student, Advisor: Dr. Zhaohua Zhu

- Conducted a scoping review to summarize the common strategies to achieve sustainable development in the rattan industry

LANGUAGES

Chinese (Mandarin): Native Language

English: Distinguished Listener, Speaker, Reader, and Writer

COMPUTER SKILLS

Programming language: Python, R, SQL, JavaScript, HTML, VBA

Applications: STATA, SAS, MATLAB, SPSS, ArcGIS