

CHENYANG WANG

7TH Apr. 1994, China

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Targeting Area: Environmental & Chemical Industry

Education Background

Master of Civil Engineering (Thesis-based), McGill University, Canada

Jan. 2017 - Present

- **Specialization:** Environmental Engineering
- **Research Project:** Sorption of PFASs by Clay Minerals
- **GPA:** 3.77/4.0
- **Relevant courses:** Site Remediation; Environmental Data Analysis; Chemical & Physical Treatment of Waters; Environmental Fate of Organic Chemicals; Water Quality Management

Bachelor of Environmental Engineering, Tianjin University, China

Sep. 2012 – Jul. 2016

- **GPA:** 3.73/4.0 (Top 5%)
- **Exchange term** at National Chung Hsing University (2014 Spring)
- Be honored with “Tianjin University Outstanding Graduate”

Skills

Language

English & Mandarin

Laboratory

Certificate of WHMIS & HWM; HPLC-MS Analysis; Data Analysis; TCLP (soil samples)

Computer

Word, Excel and PowerPoint; AUTOCAD; MATLAB; Python

Research & Project

Sorption of PFASs by Clay Minerals

Aug. 2017 – Present

McGill University, Montreal, QC, Canada

- **Cooperated** with CETCO (Minerals Technologies Inc., USA) and Newcastle University (England)
- **Extracted** effective information from published data and **wrote** literature review
- **Determined** the types of clay minerals tested and **pretreated** the selected clay
- **Tested** the sorption performance of PFASs by **designing** sorption kinetics and isotherms experiments
- **Analyzed** using HPLC-MS/MS and **interpreted** qualitative and quantitative results

Site Remediation

Oct. 2017 – Dec. 2017

McGill University, Montreal, QC, Canada

- **Analyzed** a site remediation case relevant to Pump-and-Treat Technology
- **Established** concept and numerical models and **simulated** the case by MATLAB
- **Compared** the results from practical remediation and simulation and **improved** the models

Environmental Fate of Organic Compounds

Feb. 2017 – Apr. 2017

McGill University, Montreal, QC, Canada

- **Studied** the source, presence, fate and effect of tetracycline (PPCPs) and **wrote** literature review
- **Predicted** the partitioning coefficient by software and **compared** with published data
- **Analyzed** the possible pathways of tetracycline in the environment and **discussed** the treatment plan.

Design of Wastewater Treatment Plant

Feb. 2016 – Jun. 2016

Tianjin University, Tianjin, China

- **Designed** a WWTP with primary, secondary, advanced water treatment system and sludge treatment system
- **Completed** a design report and 6 design drawings by AUTOCAD
- **Received** the honor of “Tianjin University Outstanding Graduation Thesis & Design” of 2016

Work & Volunteer Experience

Teaching Assistant

Sep. 2018 – Present

Department of Civil Engineering, McGill University, Montreal, QC, Canada

- **Assist** the teaching work of Water Treatment and Pollution Control
- **Lead** a 3-hour tutorial session every week and 2 lectures in 2018 Fall
- **Assist** the demonstration and instruction of the teaching lab
- **Grade** assignments and design projects and **organize** 2 plant visiting trip

Volunteer of the 3rd Canada China International Film Festival

Sep. 2018

CCIFF, Montreal, QC, Canada

- **Worked** bilingually in a team of 8, **welcomed** and **helped** the audiences at the reception desk
- **Assisted** with preparation, setup and cleanup of screening and cocktail reception

Chinese Market Research

May 2018

Online, Part-time work

- **Searched** and **studied** 10-15 head German companies in two Chinese Economic Development Zones
- **Generate** a report with the list of company name/ website link/ sphere of business & product

Member of Peiyang International Ballroom Dancing Troupe

Sep. 2013 – Present

Art Troupe, Tianjin University, Tianjin, China

- **Performed** in 2018 Yang Liya Dance Studio Special Performance in Montreal
- **Performed** in 10th, 11th, and 12th Special Performance of International Ballroom Dancing in Tianjin University
- **Performed** in 120th Anniversary Gala of Tianjin University

Translation Volunteer of Tripadvisor China

Sep. 2015 – Apr. 2016

Online, Part-time work

- **Translated** over 70 English travel reviews into Chinese.
- Translation approval rate reached above 97%