

# **Yujia (Jasmine) Wan**

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**Passionate about advancing sustainable environmental solutions across water, energy, and resource systems, I am seeking roles as a process engineer or environmental consultant/scientist. Skilled in project management, data analysis, and technical communication, I aim to bridge science and engineering to create efficient real-world impacts.**

## **WORK EXPERIENCES**

<b>Graduate Research Assistant</b> <i>For Prof. Baoxia Mi, University of California, Berkeley   Part-time</i>	<b>Berkeley, CA, USA</b> 12/2024-Present
<ul style="list-style-type: none"><li>Project 1: Electrified membrane system integrated reduction-filtration system for Cr (VI) removal (Paper &amp; Thesis).</li><li>Project 2: 3D interfacial graphene oxide-based solar evaporator for resource recovery using realistic brine water.</li><li>Project 3: Redox-active MoS<sub>2</sub> filtration system designed by Autodesk Fusion 360 for Cr (VI) removal.</li></ul>	
<b>Teaching Assistant</b> <i>GEC Academy, For Prof. Zhiyong Jason Ren, Princeton University   Part-time</i>	<b>Online, China</b> 05/2024-07/2024
<ul style="list-style-type: none"><li>Assisted in teaching an online program focused on decarbonization; graded students' homework; led discussion sessions.</li></ul>	
<b>Environmental Monitor</b> <i>Hubei Xingfa Environmental Technology Company   Internship</i>	<b>Yichang, China</b> 03/2023-05/2023
<ul style="list-style-type: none"><li>Assisted in testing and analyzing water/wastewater quality changes; promptly addressed any data anomalies.</li></ul>	
<b>Research Assistant</b> <i>For Prof. Zhaohua Li, Dean of Graduate School, Hubei University   Full time</i>	<b>Wuhan, China</b> 09/2020-08/2021
<ul style="list-style-type: none"><li>Project 1: Assisted professor in writing and revising <b>The Ecological Civilization Construction Plan of Wuhan City</b>.</li><li>Project 2: Natural wooden biofilm carriers for decentralized rural wastewater biological treatment.</li></ul>	
<b>Undergraduate Research Assistant</b> <i>For Prof. Liya Zhao, Hubei University, China   Part-time</i>	<b>Wuhan, China</b> 05/2018-05/2020
<ul style="list-style-type: none"><li>Graduation Project 1: <b>Sewage treatment project design in a mountainous town</b> (including 14 CAD technical drawings).</li><li>Project 2: Willingness-to-pay for recreation services and its value Assessment (12<sup>th</sup> Challenge Cup).</li><li>Project 3: The development and status of domestic waste disposal at home and abroad.</li></ul>	
<b>Water Engineering Internship</b> <i>Yixing Environmental Science and Technology Industrial Park   Internship</i>	<b>Yixing, China</b> 07/2019
<ul style="list-style-type: none"><li>Visited local sewage treatment plants; participated in water quality monitoring; operated real-time data software.</li></ul>	

## **SKILLS**

<b>Software Skills:</b> AutoCAD, Autodesk Fusion 360 (3D design), ArcGIS, SPSS, Python, R, MATLAB, Origin
<b>Lab Skills:</b> IC, ICP-MS, UV-Vis, Potentiostat, EQCM-D, MoS <sub>2</sub> synthesis, Evaporator Fabrication, Plate Counting
<b>Soft Skills:</b> Project Management/ Collaboration, Stakeholder Engagement, Technical Communication, Public Speaking
<b>Language Skills:</b> English (Proficient), Chinese (Native), Japanese (Intermediate)

## **LEADERSHIP & OUTREACH**

<b>(CEE)<sup>2</sup> Ambassador</b> - Civil and Environmental Engineering, UC Berkeley	09/2025-Present
<b>GA Delegate</b> - Graduate Assembly, University of California, Berkeley	08/2025-Present
<b>Committee of Outreach Department</b> - Berkeley China Summit	07/2025-10/2025
<b>Volunteer</b> of Green Ecological Study Tour Class for K-12 Students in Wuhan City	05/2018-11/2018
<b>Committee of Outreach Department</b> - Undergraduate Student Association, Hubei University	05/2016-09/2017

## **EDUCATION**

<b>M.S.</b> , Civil and Environmental Engineering, University of California, Berkeley, <b>GPA:</b> 4.0/4.0	08/2024-05/2026
<b>B.E.</b> (with honors), Environmental Engineering, Hubei University (China), <b>GPA:</b> 3.74/4.0	09/2016-06/2020
Outstanding Graduate Award, 2020   3 <sup>rd</sup> Prize of the 12th Challenge Cup, 2019   Excellent Student Leader, 2016	