Ran Gao

Tel: 520-910-9663 Email: rangao@utexas.edu

EDUCATION	
University of Texas at Austin	Fall 2022 – Spring 2024
A.S.E., Environmental and Water Resource Engineering	GPA 3.67/4.00
Core Modules: Physical and Chem Treatment, Water pollution chemistry, Haza	
Iniversity of Arizona	Fall 2018 – Spring 2022 GPA 3.6/4.0
B.S., Major: Environmental Engineering Minor: Mathematic	GPA 4.0/4.0
Core Modules: Hydraulic Engineering, Microbiology, Organic & Inorganic Chemistry, Water Pollution Treatment Engineering, ACADEMIC WORK EXPERIENCE	
aboratory Research – University of Texas at Austin Texas, USA	August 2023- Present
Conduct lab research in the topic of membrane integrity test in large-sca	
Participate in water sample test with Freese and Nicole company at Cypr	-
Perform microbial experiments in lab such as plaque assay and virus an	d bacteria incubation, and use MATLAB to proces
and graph experimental data.	Law 2022 May 2022
eaching Assistant - University of Texas at Austin, Texas, USA	January 2023- May 2023
Guided and supervised undergraduate students in laboratory activities for	
particles in air, and air pollution, while assisting them in developing a prote Conducted office hours and provided MATLAB plotting assistance on	
addressing questions, and clarifying concepts.	i student nomework and lab report graphs, as
Evaluated assignments, exams, and lab reports, providing comprehensi	ve feedback to enhance student understanding
environmental engineering science.	
esign Project – University of Arizona, Arizona, USA	August 2021 – May 2022
Design, develop and optimize a process to synthesize natural gas into the	• •
via the bi-reforming of methane followed by a Fisher – Tropsch (FT) synt	
Optimized nickel-based and iron-based catalysts were used to increase the	
economically sustainable.	
Lab Assistance- Beijing Normal University, Beijing, China	June 2020 – August 2020
 Accountable for the design and execution of experiments, including synthesized magnesium/aluminum-modified montmorillonites (Mg/Al-M 	
 Researched, collaborated on and co-authored research reports, which 	n were subsequently published in Environment
Technology, Taylor& Francis.	
AWARDS AND PATENT	
\wards:	
May 2021 Academic Year Academic Distinction – University of Arizona	
May 2021 Dean's List – University of Arizona- 2022, 2021	
May 2020 Academic Honorable Mention – University of Arizona	
May 2020 Academic Year Academic Distinction – University of Arizona	
Dec 2019 Dean's List – University of Arizona.	
PUBLICATIONS (Second Author)	
• Gao, R, [Xia Meng, et al.). (2021). "Fabrication and investigation of novel	
ripolyphosphate-crosslinked chitosan for highly efficient adsorption of un	anyl lons from radioactive effluents". Journal of
Hazardous Materials.	
Aug 2023 – Dec 2023Grader for the Elements in Hydraulic Engineering co	
Sep 2022- Dec 2022 Student Dining and Housing Assistant in Jester City N	
Apr 2022- May 2022 Volunteer in University of Arizona International Adr	
Dec 2018 – May2022 Membership of The National Society Collegiate Sch	Diars -UA
Oct 2018 – May 2022 Club Member of UA Badminton -UA	
KEY SKILLS AND CERTIFICATIONS	N
Technical Capabilities: MS Office Suite; Visio; MATLAB; Aspen Plus(Basic Language Capabilities: English (Desficient) Manderin Chinese (Nation));
Language Capabilities: English (Proficient); Mandarin Chinese (Native);	
Personalities: Honest; Self-motivated; Optimism	
High degree of Flexibility and Adaptability – Problem Solving and Prioritiz	
 Attention to Detail and Precision Knowledge of Environmental Engineering 	ng

- Attention to Detail and Precision Knowledge of Environmental Engineering
- Communication: Written and Oral Analytically Minded and Data Driven