

Rui Fu

The Grainger College Engineering
Civil & Environmental Engineering
The University of Illinois at Urbana-Champaign
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EDUCATION

University of Illinois at Urbana-Champaign December 2021
M.S. Environmental Engineering

Iowa State University December 2019
B.A. Civil Engineering

Lanzhou Jiaotong University June 2017
B.A. Civil Engineering

RESEARCH EXPERIENCE

Graduate Research Assistant, University of Illinois at Urbana-Champaign 08/2021-12/2021

Department of Civil and Environmental Engineering

Advisor: Thanh Huong Nguyen

- Understood pretreatments prior to detecting *SARS-COV-2* in the sewage
- Performed sampling, processing, and filtering of four/ five specimens of sewage
- Assisted Ph.D. students to monitor *SARS-COV-2* in wastewater as an indicator of COVID-19 transmission

Undergraduate Research Assistant, Iowa State University 08/2018-12/2018

Department of Civil, Construction and Environmental Engineering

Advisor: Kaoru Ikuma

- Collected data on potassium ferrate disinfection mechanisms regarding biological responses
- Analyzed data on potassium ferrate disinfections with the personal hypothesis
- Assisted Pd.D students to explore what ambient conditions are required to affect potassium ferrate to be useful and effective

HONORS & AWARDS

College of Engineering Dean's List, Iowa State University	2018
Pak-Liu Fung Scholarship, Iowa State University	2018
College of Engineering Dean's List, Iowa State University	2019
"Magna Cum Laude" Honor Cord, Iowa State University	2019

TEACHING EXPERIENCE

Probationary lecturer, XinDao Education Company, Guangzhou, China 03/2020 - 08/2020

Course: Chemistry

Responsibilities: Developed and delivered a two-hour lecture weekly over the course of four junior students in middle school from different levels of foundations and improved their grades. Developed assignments questions and practice exams.

SERVICE & OUTREACH

Assistant municipal engineer, Water supply and drainage station 05/2021 - 07/2021

Guangdong Communication Planning & Design Institute Corporation, Guangzhou, China

Service student employee, Iowa State University 01/2018 - 12/2018

Ames, Iowa

Fourth Floor Lab Committee, University of Illinois at Urbana-Champaign

Champaign, Illinois 08/2021 - 12/2021